

# Radio Programs ( Daylight Time Max Once Again Until Radio Schedules This Week on WIB Help You Locate Your NBC Stations ) in Handy Form

6/33

JUNE

25 Cents

## Radio Log and Lore

FOR ONE DOLLAR ( This Magazine Provides Just the Right Kind of Entertainment to Keep You Well Associated With Your Radio ) FOR ONE YEAR

### THE RADIO PARADE



Above: Mady Christians, German actress, heard on the Big Show program

The boys hit the home stretch. Amos 'n' Andy are counting the days until they are back at the NBC Chicago studio



The proud fisherman is Phil Harris, heard over NBC Friday nights. This is the first vacation Phil has had in four years and he, and the members of his orchestra, are having a grand old time



# North America AIRLINE DISTANCES



LET THIS MAP

HELP YOU

**Count the Circles and Learn Your Distances**

This page is a complete table of distances as well as map of North America, Central America, and the northern portion of South America. It is entirely graduated by 500-mile distances with both squares and circles indicated. From Reykjavik or Anchorage on the north to Quito on the south; from St. Johns, Newfoundland to the coast cities of the Pacific, the reader at a glance may determine the distance to the station to which he is listening by a rapid calculation of the squares or circles on the map. Its rapidity and handiness is easily apparent, although, of course, the results can be only approximated. The distances actually coincide with figures on distance charts, which, though more accurate, are not so easily ascertained.

# Radio Log and Lore

WHITMAN RADIO PUBLISHING CO.

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## ABOUT MAGAZINE DATING AND PROGRAM SCHEDULES

Readers of Radio Log and Lore will notice that the cover dating of this issue is June and that with an apparent omission of the May number. As a matter of fact, this number is really a combined May and June number; the serial number is continuous and no number has been missed. In the past, Radio Log and Lore has been published previous to the fifteenth of each month, although copies have reached subscribers across the continent until many days later. Several subscribers are under the misapprehension that radio schedules are issued by the month and have written complaining that they had scarcely received their copy when the month had elapsed and the listings had become obsolete.

The supposition is entirely erroneous, as radio programs are issued weekly with daily corrections

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## ABOUT DAYLIGHT TIME

Daylight saving time as adopted in New York and Chicago where most radio programs originate, has caused complications in program time for those localities not observing it. The time on our program schedules remains Standard, and will cause no change in time for those without daylight time. Those who live in daylight saving areas should add one hour to the schedules for correct time for them,

## McFADDEN BILL HEARING ENDS; NAB OPPOSES IT

(Washington Correspondence)

Hearings have been closed pertaining to legislation on the McFadden bill, which proposes compelling broadcasting stations to accept religious, charitable and educational programs without discrimination. The bill is now in the House of Representatives.

The National Association of Broadcasters headed opposition to the measure, with Philip G. Lucas, managing director, as first witness. He pointed out defects in the bill and reviewed it.

He then commented that under this measure, the broadcaster would have to open his station to debate on all subjects at all times, or else refuse all programs of this type. He would have to present all programs if he took any. He argued that the government

might bring any such programs into line according to the "legislative standard of public interest, convenience and necessity" and thus provide further inconvenience for the broadcaster.

M. H. Aylesworth, president of the National Broadcasting Company, said, "the provisions offered in this legislation, will serve to restrict rather than to liberalize, and will severely limit rather than to broaden the use of radio in religion, governmental and public affairs, education and public information."

The only organization favoring the bill was under Judge Rutherford, changing that the National Broadcasting Company and the Columbia Broadcasting System has denied Jehovah's Witnesses access to their stations.

## TRIAL BROADCAST IN FRISCO

(San Francisco Correspondence)

For the first time, a broadcast of a real trial has been made in a San Francisco courtroom. Three programs weekly were given over KQED during February.

The broadcasts were made as an educational experiment, and helped to acquaint the citizens of that district with court criminal procedure. The first session to be broadcast was in Municipal Judge George J. Stenger's court.

It commented on the experiment, "In this way, much of the criticism of present-day jurisprudence may be eliminated, and at the same time,

those factors which need correcting will be clearly put before the people."

Broadcasts were closely watched by court officials and radio men, to keep track on everything said. Speeches were not limited to the law, however, as defendants were occasionally given an opportunity to say something in their own behalf.

The work is considered to be a real help in acquainting the people with courts, and has met with the approval of high officials in San Francisco. It is also an excellent educational scheme, many believe.

Not only do the children of America, but also many Chinese boys and girls now hear the delightful fables and children's stories which Irene Wicker, the Singing Lady, tells in her broadcasts over NBC. At the request of Frank R. Millikan, Chinese missionary who heard her broadcast during a visit to Shanghai,

Dally Page, who is Jack Parbour to a nationwide audience, celebrated his sixteenth birthday recently. First he was interviewed by a youthful radio star. Then came a birthday gift from his parents—a tall grown-up dinner and dancing party at the Hotel St. Francis, with some of his schoolmates as guests. Gus Arnheim's Orchestra saluted him with "Happy Birthday to You."



## TWENTY MILLION NEW LISTENERS IN 1933

(Geneva Correspondence)

Twenty million new radio listeners in one year. These are the figures reported to the International Broadcasting Office from all over the world. This brought the world's grand total up to 180,000,000 at the first of this year.

Europe and America have continued to compete strongly for broadcasting hours, with North America in the lead because of the installation during 1933 of nearly a million sets in motor cars. The total was 20 million, 500 thousand.

Second place went to Europe, not including Russia, with 18 million in its audience. Asia has credited its third place to Japan, whose broadcasting is growing noticeably each month.

In South America, whose figures on the numbers of listeners are difficult to obtain, comes fourth, and Australia has risen to fifth place, with a high proportion of listeners according to her population.

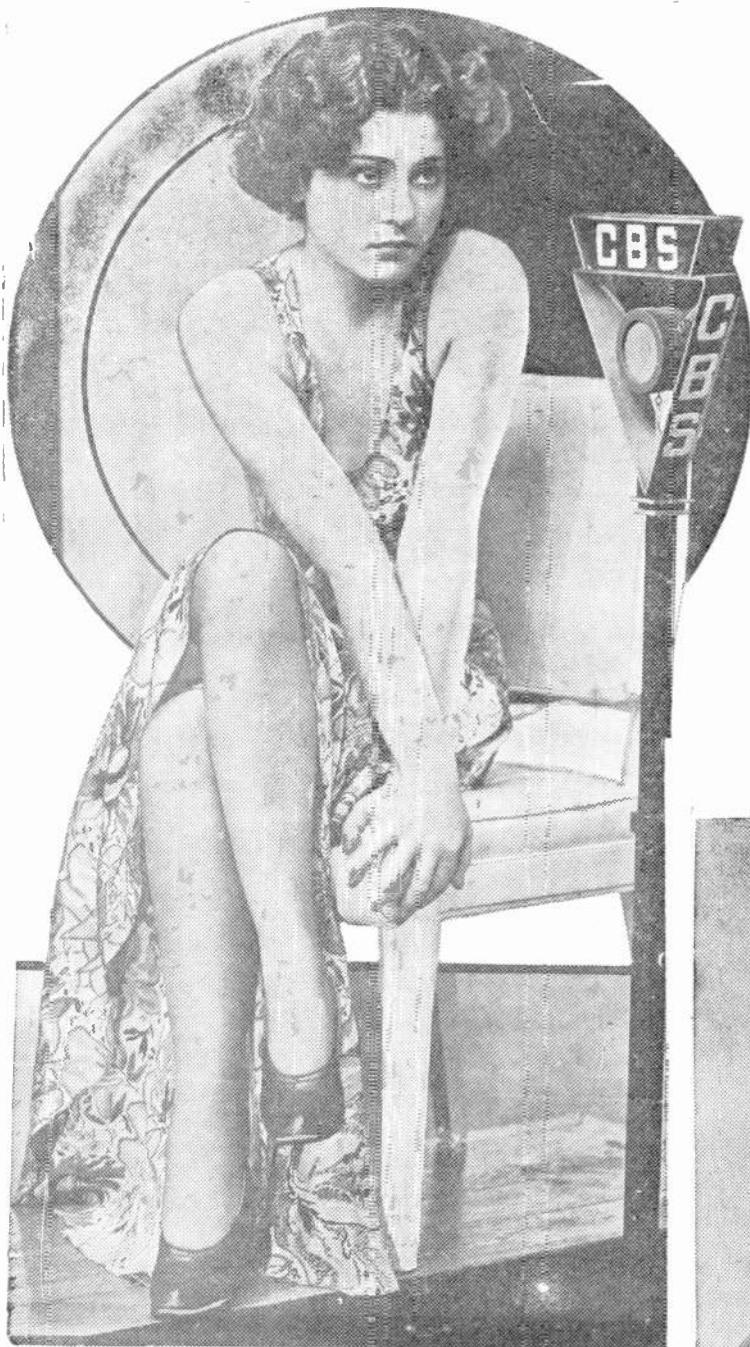
Less people in proportion to one receiving set seems to be the present trend, as five million new sets have been added giving one to each four listeners. This is a far cry from the day when the whole family and all the neighbors passed the earphones from one to another.

Reports that a saturation point in listeners might soon be reached in Great Britain and possibly in Denmark, have been ridiculed by A. R. Burrows of the International Broadcasting Office.

He points out how many millions there are who have never heard programs and do not realize the possibility of the radio. The saturation point will probably not be reached until after 1940, he claims.

The Broadcasting Office has compiled the figures received from reports or the issue of wireless licenses, and some from trade returns, and now has a diagram indicating the listeners according to countries.

These figures indicate that difficulties which involve world affairs have not succeeded in damaging the radio audience to any great extent, and as better compiled records are received in, an astonishing increase to come may be expected, Mr. Burrows says.



**T**HIS deep voiced song-bird is Ruth Robinson, who is now soloist with Charles Barnet's Orchestra, over the WABC-Columbia network several times a week. She's only nineteen but her singing has already brought praise.

**E**DITH Murray is a real artist, and her unusual style of singing over WABC and Columbia network every Friday night from 11 to 11:15 P. M., EST has earned her the title of "dramatist of song" from pleased listeners.



# B E A And M I C R O

# DUTY The PHONE



**S**HE has grown up now, has Sylvia Froos, and she's back with the Columbia network. The one time baby singing star has just come back from movie-land. She's on the WABC-Columbia network every Thursday at 6:45 P.M., EST. Sylvia looks like it's good to be back from the land of orange trees and Kleig lights.

**N**O, it's not explosive Lupe Velez, but her radio impersonator, Arlene Frances, who mimics screen luminaries in "Forty-Five Minutes in Hollywood". She takes listeners behind the scenes each Sunday, 9:30 P.M., EST, over the WABC-Columbia network. Here she is in a costume built the way Lupe likes them, and with an expression characteristic of the Mexican star.

Under Canada's new nationalized radio, the Canadian Radio Broadcasting Commission operates a chain from Halifax to Vancouver. A complete evening schedule is maintained with no day releases

## LEGEND:

These two pages dealing with the four great transcontinental broadcasting networks that cover North America, are published in order to give the listener a better understanding of the source of his entertainment and how it reaches him; also to make clear the use of the program schedules.

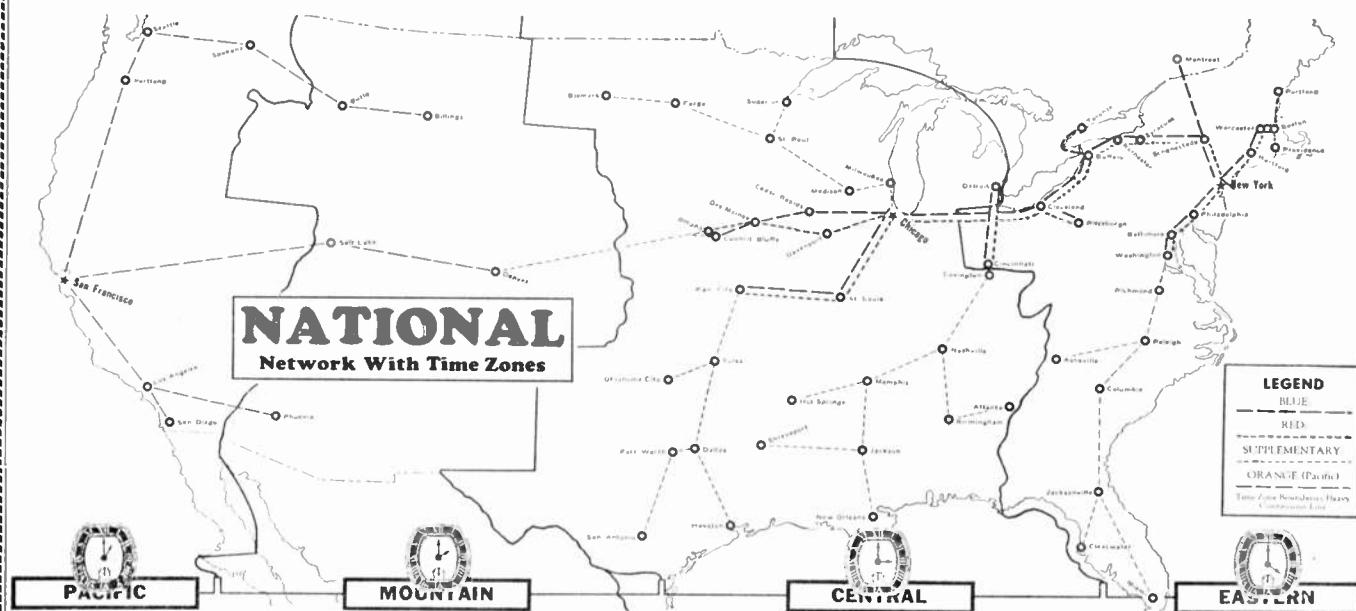
An overwhelming majority of interest in radio entertainment generally, is of course in the so-called network programs, which may be produced anywhere, but generally are released from key station studios in New York or Chicago. Thus, from one small studio, a single broadcast is heard by countless millions, in many different time zones. While the program is produced and heard at a given time in New York, it is heard simultaneously in San Francisco, yet some three hours earlier as far as clock reading goes.

The time zone map of the networks on these pages, make clear why programs are received at various hours in different time zones, and also makes clear the zone location of any station from which the program may be coming. The com-

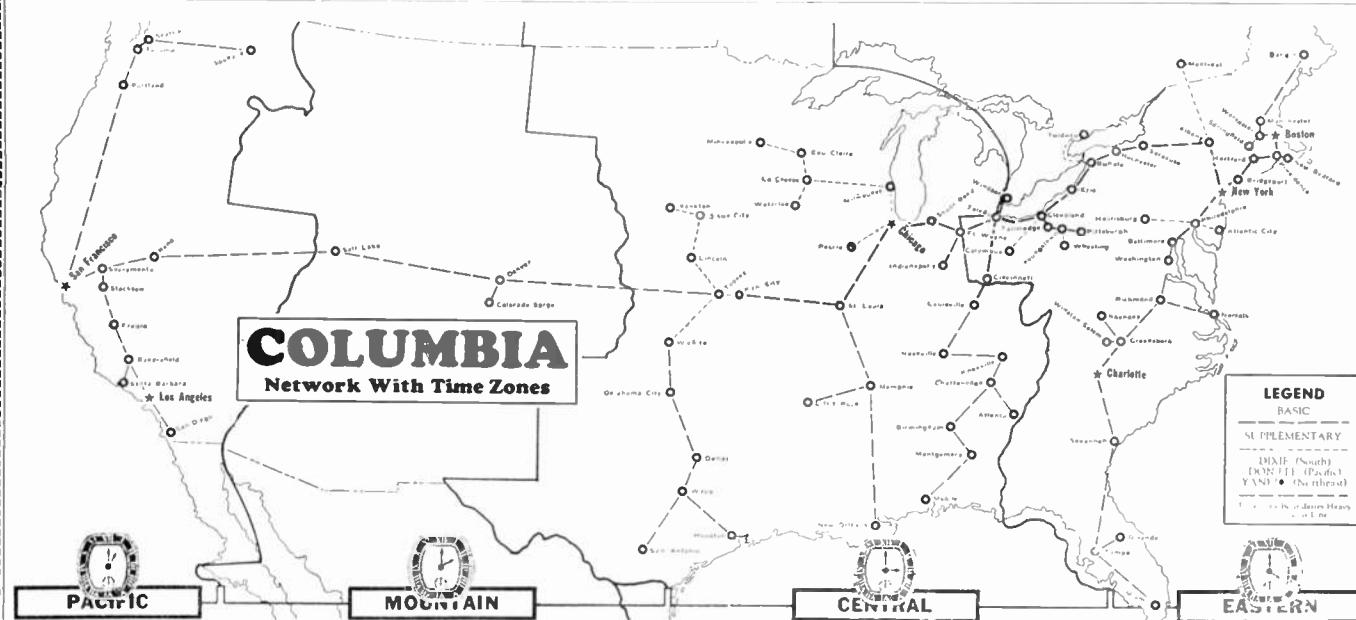
plete station list of each chain is given, from which may be dialed the nearest station of the chain from which the program is desired. It should be remembered, however, that member stations do not take every release; if one does not carry the program you desire, try another.

One condition in broadcasting incidental to many popular programs is very confusing to the average listener—split networks. Amos 'n' Andy is one of these. In this particular case Eastern listeners complained that the program was on the air too late; at the same time Pacific Coast listeners complained that it was coming too early. Thus it became necessary to broadcast the program at a suitable time for the Eastern part of the country and to re-broadcast it later for Western listeners.

Both National and Columbia maintain separate Pacific Coast networks. On account of the great distance and consequent difference in time, these stations operate several hours after Eastern stations have closed down for the night.



This is the complete network of the National Broadcasting Company. It will be noticed the Blue and Red chains run parallel. The Orange chain spans the Pacific Coast, and this circuit, when not producing its own programs, takes either the Blue or Red releases, as does the intervening supplementary networks



The Columbia is a single network system consisting of basic and supplementary chains; also three distinct subsidiary units: the Don Lee on the Pacific Coast, the Dixie in the South and the Yankee in New England. Each of these produce a part of their own programs

This is a complete list of all chain stations in North America. The three transcontinental networks are presented below, with the auxiliary chains of both NBC and CBS. At the right all stations are arranged in numerical order by kilocycles, with an abbreviation showing chain affiliation.

## NATIONAL BROADCASTING COMPANY (91)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
<b>Blue (21)</b>											
Key Station, WJZ, New York				66 WEAF...New York	.....50,000	143 KECA...Los Angeles	..1,000	54 CJRM...Moose Jaw	....500	103 CFNB...Fredericton	....500
56 WFIL...Philadelphia	500			79 WGY....Schenectady	..50,000	147 KGA...Spokane	....5,000	55 KFYR...Bismarck	....1,000	103 CKNC...Toronto	....100
57 WSYR...Syracuse	250			87 WLS...Chicago	....50,000	92 WBN...Buffalo	....1,000	55 KSD...St. Louis	....500	103 CFCN...Calgary	....10,000
60 CFCF...Montreal	500			88 WJAR...Providence	....500	92 WWJ...Detroit	....1,000	55 WGR...Buffalo	....1,000	104 KTHS...Hot Springs	..10,000
67 WMAQ...Chicago	5,000			94 WCHS...Portland	....1,000	97 WCFL...Chicago	....5,000	55 WKRC...Cincinnati	....500	104 KRLD...Dallas	....10,000
70 WLW...Cincinnati	50,000			100 WOC...Des Moines	....50,000	62 WTMJ...Milwaukee	....1,000	56 WQAM...Miami	....1,000	105 KFBK...Sacramento	....1,000
75 WJR...Detroit	10,000			106 WTIC...Hartford	....50,000	65 WSM...Nashville	....50,000	56 WLIT...Philadelphia	....500	105 CHNS...Halifax	....500
76 WJZ...New York	30,000			107 WTAM...Cleveland	....50,000	68 WPFT...Raleigh	....1,000	57 WFI...Philadelphia	....500	106 WBAL...Baltimore	....10,000
87 WENR...Chicago	5,000			74 WSB...Atlanta	....50,000	74 WSB...Atlanta	....50,000	57 KLZ...Denver	....1,000	106 WTIC...Hartford	....50,000
95 WRC...Washington	500			78 WMC...Memphis	....50,000	62 WFLA...Clearwater	....1,000	57 WNAK...Yankton	....1,000	107 WTAM...Cleveland	....50,000
96 CRCT...Toronto	5,000			80 WFAA...Dallas	....50,000	62 WTMJ...Milwaukee	....1,000	57 WKBK...Youngstown	....500	107 WTAM...Cleveland	....50,000
98 KDKA...Pittsburgh	50,000			80 WBAP...Fort Worth	....10,000	65 WSM...Nashville	....50,000	57 KV1...Tacoma	....500	109 KMOX...St. Louis	....50,000
99 WBZ...Boston	25,000			90 WJAX...Jacksonville	....1,000	68 WPFT...Raleigh	....1,000	57 WSYR...Syracuse	....250	110 KMOX...St. Louis	....50,000
102 KYW...Chicago	10,000			94 WKY...Oklahoma City	....1,000	74 WSB...Atlanta	....50,000	57 WWNC...Asheville	....1,000	110 KMOX...St. Louis	....50,000
106 WBAL...Baltimore	10,000			94 WDAY...Fargo	....1,000	78 WMC...Memphis	....50,000	58 WEEI...Boston	....1,000	110 KMOX...St. Louis	....50,000
115 WHAM...Rochester	25,000			99 WDAE...Pittsburgh	....50,000	80 WFAA...Dallas	....50,000	60 WCAO...Baltimore	....250	111 WVAO...San Antonio	....50,000
122 WREN...Kansas City	1,000			100 WBP...Fort Worth	....10,000	80 WBAP...Fort Worth	....10,000	60 WREC...Memphis	....500	114 WPAI...Baltimore	....25,000
126 KOIL...Com. Bluffs	1,000			90 WJAX...Jacksonville	....1,000	90 WJAX...Jacksonville	....1,000	60 WREC...Memphis	....500	115 WHAM...Rochester	....25,000
135 KWK...St. Louis	1,000			94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000	60 WREC...Memphis	....500	116 WOW...Fort Wayne	....16,000
138 KSO...Des Moines	500			99 WDAF...Cincinnati	....1,000	94 WDAY...Fargo	....1,000	60 WREC...Memphis	....500	116 WWA...Wheeling	....5,000
142 KWCR...Cedar Rap.	100			100 WAPL...Phoenix	....500	94 WDAY...Fargo	....1,000	60 WREC...Memphis	....500	116 WWA...Wheeling	....5,000
145 WGAR...Cleveland	500			104 WAPI...Birmingham	....25,000	94 WDAY...Fargo	....1,000	60 WREC...Memphis	....500	116 WWA...Wheeling	....5,000

## Red (22)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
<b>Red (22)</b>											
Key Station, WEAF New York				55 KSD...St. Louis	....500	62 KGW...Portland	....1,000	62 KTF...Phoenix	....500	94 WDAY...Fargo	....1,000
55 KSD...St. Louis	500			62 KGW...Portland	....1,000	62 KTF...Phoenix	....500	94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000
56 WLIT...Philadelphia	500			62 KTF...Phoenix	....500	94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000
58 WTAG...Worcester	500			95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000
59 WWWW...Omaha	1,000			104 WJDX...Jackson	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000
61 WDAF...Kansas City	1,000			104 WJDX...Jackson	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000
63 WMAL...Washington	250			104 WJDX...Jackson	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000

## Red (22)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
<b>Red (22)</b>											
Key Station, WEAF New York				95 KSD...St. Louis	....500	62 KGW...Portland	....1,000	62 KTF...Phoenix	....500	94 WDAY...Fargo	....1,000
55 KSD...St. Louis	500			62 KGW...Portland	....1,000	62 KTF...Phoenix	....500	94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000
56 WLIT...Philadelphia	500			62 KTF...Phoenix	....500	94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000	94 WDAY...Fargo	....1,000
58 WTAG...Worcester	500			95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000
59 WWWW...Omaha	1,000			104 WJDX...Jackson	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000
61 WDAF...Kansas City	1,000			104 WJDX...Jackson	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000
63 WMAL...Washington	250			104 WJDX...Jackson	....1,000	104 WJDX...Jackson	....1,000	95 KGHL...Billings	....1,000	104 WJDX...Jackson	....1,000

## COLUMBIA BROADCASTING SYSTEM (95)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
<b>Basic (24)</b>											
Key Station, WABC New York				110 WPG...Atlantic C.	....5,000	147 WLAC...Nashville	....500	110 WPG...Atlantic C.	....5,000	147 WLAC...Nashville	....500
55 WGR...Buffalo	1,000			112 WISN...Milwaukee	....250	148 KOMA...Okla. City	....5,000	112 WISN...Milwaukee	....250	148 KOMA...Okla. City	....5,000
56 WKRC...Cincinnati	500			116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
57 WWDL...Erie Pa.	500			126 WLWB...Erie Pa.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
58 WKRC...Cincinnati	500			127 WGL...Ft. Wayne	....100	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
59 WWWW...Omaha	1,000			130 KFH...Wichita	....1,000	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
60 WWDL...Orlando	500			137 WGL...Ft. Wayne	....100	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
61 WIP...Philadelphia	500			143 WHEC...Rochester	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
77 WBWM...Chicago	25,000			143 WHEC...Rochester	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
78 WEAN...Providence	250			143 WHEC...Rochester	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
82 WHAS...Louisville	25,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
84 CKLW...Windor	5,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
86 WABC...New York	50,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
95 KMBC...Kansas City	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
109 KMOX...St. Louis	50,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
116 WWWW...Fort Wayne	10,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
117 WCAU...Philadelphia	50,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
123 WFBM...Indianapolis	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
129 WJAS...Pittsburgh	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
132 WADC...Akron	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
133 WDRC...Hartford	500			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
134 WSPD...Toledo	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
136 WFBL...Syracuse	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
139 WHK...Cleveland	1,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
141 WAAB...Boston	300			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
143 WOKO...Albany	500			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
146 WJSV...Washington	10,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000
148 WKW...Buffalo	5,000			144 WMBD...Pearl I.	....500	148 KOMA...Okla. City	....5,000	116 WWVA...Wheeling	....5,000	148 KOMA...Okla. City	....5,000

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	
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# Let These Pages Help You Find the Programs You Will Enjoy

Because most of the interest in radio programs is in the transcontinental features, attention is paid in these pages only to these releases. An orchestra begins to play in New York City; far away in another time zone, you listen to the music. You hear it regularly each day until you come to fix in your mind a certain hour; yet others are listening in other zones at a different time, and both are still different from the time in the studio where the orchestra is playing. Yet the music that is going across the continent is going on the air at precisely the same second and the answer to this is the changes in standard time that have a great deal to do with radio programs. Time-zone network maps are published frequently in this magazine, showing the time changes that occur, while program time (for the Evening programs that go across the continent) are given in each of the five zones.

Just as the day begins first in the East, so do the first programs appear. On this page are listed the afternoon chain releases, from noon to six in the evening (Eastern time). A few of these programs go across the continent but in the main it is too early for Coast-to-Coast releases.

Following these are the Evening Programs, listed on the following double page. Practically this is the entertainment guide of the nation, and the programs listed include radio's most important. From six in the evening until midnight (Eastern Time) all releases on four networks are shown, the majority of which go from Coast to Coast.

The period, however, is a little too early for the Pacific Coast (three in the afternoon to nine in the evening). So on the following page the Pacific Coast networks are shown—from four in the afternoon to midnight (seven to three in the morning Eastern time). While these schedules over-

lap the Evening Program schedules, the Coast networks do not carry all of the Eastern releases, supplanting a part of them with their own attractions.

All three schedules are based on 15-minute periods—four to the hour. Three simultaneous releases are listed, one for Columbia and two for NBC (the Blue and Red in the East; the Orange and Gold in the West). The Evening Program schedule includes a fourth network—the Canadian chain. This schedule also gives, where possible, the point of origination of each program, and the zones covered. NBC has but one chain on the Coast (the Orange) but a second program schedule is maintained alternately by the two San Francisco key stations, KGO and KPO, the one broadcasting singly while the other heads the chain on which are carried either Coast NBC programs or Eastern Blue and Red releases.

		Quarter Hour Periods in Eastern Standard Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12	:00	{ NBC Blue. NBC Red. COLUM...	Phantom Strings..... Capitol Family..... Salt Lake Organ.....	Morton Bowe, Tenor..... The Commodores..... Voice of Experience.....	U. S. Marine Band..... The Commodores..... Voice of Experience.....	Eva Taylor, Crooner..... The Commodores..... Voice of Experience.....	Mary Phillips, Songs..... Piano Recital..... Voice of Experience.....	Rhyming Rover..... The Commodores..... Voice of Experience.....	High and Low..... Pietro Yon, Organist..... The Knickerbokers.....
NOON	:15	{ NBC Blue. NBC Red. COLUM...	Piano Duo..... Gordon String Quar.... Salt Lake Organ.....	Morin Sisters, Songs..... Margaret Santry..... Betty Barthell, Song.....	U. S. Marine Band..... Piano Duo..... Connie Gates, Songs.....	Wendell Hall..... Piano Duo..... Betty Barthell, Songs.....	Wendell Hall..... Concert Ensemble..... Connie Gates, Songs.....	Wendell Hall..... Gypsy Trail..... Betty Barthell, Songs.....	Genia Fonariova..... Pietro Yon, Organist..... Pete Woolery.....
	:30	{ NBC Blue. NBC Red. COLUM...	Radio City Concert..... Round Table..... Madison Ensemble.....	Vic and Sade..... Rex Battle Orch..... Emery Deutsch Orch.....	Vic and Sade..... Concert Ensemble..... Russian Gypsy Orch.....	Vic and Sade..... Russian Gypsy Orch..... Smiling Ed McConnell.....	Vic and Sade..... Concert Ensemble..... Russian Gypsy Orch.....	Vic and Sade..... Rex Battle Orch..... Smiling Ed McConnell.....	Vic and Sade..... Rex Battle Orch..... Saturday Syncopators.....
	:45	{ NBC Blue. NBC Red. COLUM...	Radio City Concert..... Round Table..... H. V. Kaltenborn.....	Male Quartet..... Markets, Weather..... Emery Deutsch Orch.....	Merry Macs..... Markets, Weather..... Russian Gypsy Orch.....	Merry Macs..... Markets, Weather..... M. Raginsky Ensem.....	The Merry Macs..... Markets, Weather..... Russian Gypsy Orch.....	Male Quartet..... Markets, Weather..... Russian Gypsy Orch.....	Male Quartet..... Rex Battle Orch..... Enoch Light Orch.....
1	:00	{ NBC Blue. NBC Red. COLUM...	Radio City Concert..... Russian Gypsy Music..... Church of the Air.....	Words and Music..... Xavier Cugat Orch..... George Hall Orch.....	Words and Music..... Concert Ensemble..... George Hall Orch.....	Words and Music..... Ned Parish Orch..... Joan Marrow, Music.....	Words and Music..... To Be Announced..... M. Raginsky Ensem.....	Words and Music..... To Be Announced..... Round Towners.....	Words and Music..... Ted Black Orch..... Enoch Light Orch.....
	:15	{ NBC Blue. NBC Red. COLUM...	Radio City Concert..... Russian Gypsy Music..... Church of the Air.....	Words and Music..... Xavier Cugat Orch..... George Hall Orch.....	Words and Music..... Ned Parish Orch..... Joan Marrow, Music.....	Words and Music..... Ned Parish Orch..... Screen Stars.....	Words and Music..... To Be Announced..... Round Towners.....	Words and Music..... Ted Black Orch..... Madison Ensemble.....	
	:30	{ NBC Blue. NBC Red. COLUM...	Sunday Forum..... Mary Small, Juvenile..... The Compinsky Trio.....	Farm and Home Hour..... Concert Ensemble..... M. Haginsky Ensem.....	Farm and Home Hour..... Emil Velasco, Organ..... Jack Russell Orch.....	Farm and Home Hour..... Concert Ensemble..... J. Augustine, Orch.....	Farm and Home Hour..... Concert Ensemble..... Mark Warrow Orch.....	Farm and Home Hour..... Concert Ensemble..... George Hall Orch.....	Farmers Program..... Concert Ensemble..... Harold Knight Orch.....
	:45	{ NBC Blue. NBC Red. COLUM...	Sunday Forum..... To Be Announced..... The Compinsky Trio.....	Farm and Home Hour..... Concert Ensemble..... M. Haginsky Ensem.....	Farm and Home Hour..... Emil Velasco, Organ..... Tony Wons.....	Farm and Home Hour..... Concert Ensemble..... J. Ellison's Recipes.....	Farm and Home Hour..... Concert Ensemble..... Tony Wons.....	Farm and Home Hour..... Concert Ensemble..... George Hall Orch.....	Farmers Program..... Concert Ensemble..... Harold Knight Orch.....
2	:00	{ NBC Blue. NBC Red. COLUM...	Dramatic Sketch..... The Commodores..... Edith Murray, Songs.....	Farm and Home Hour..... Revolving Stage..... Ann Leaf, Organ.....	Farm and Home Hour..... Merry Madcaps..... Ann Leaf, Organ.....	Farm and Home Hour..... Two Seats in Balcony..... Ann Leaf, Organ.....	Farm and Home Hour..... Dramatic Program..... Ann Leaf, Organ.....	Farm and Home Hour..... Dramatic Program..... Bill Huggins, Songs.....	Farmers Program..... Xavier Cugat Orch..... Harold Knight Orch.....
	:15	{ NBC Blue. NBC Red. COLUM...	Dramatic Sketch..... The Commodores..... Piano Pointers.....	Farm and Home Hour..... Revolving Stage..... Ann Leaf, Organ.....	Farm and Home Hour..... Merry Mad Caps..... Ann Leaf, Organ.....	Farm and Home Hour..... Two Seats in Balcony..... Concert Miniatures.....	Farm and Home Hour..... Dramatic Program..... Ann Leaf, Organ.....	Farm and Home Hour..... Dramatic Program..... Xavier Cugat Orch.....	Farmers Program..... Artist Recital.....
	:30	{ NBC Blue. NBC Red. COLUM...	Concert Artists..... Grace Hayes, Songs..... Minstrel Man.....	Smack Out..... Dramatic Sketch..... Poetic Strings.....	Smack Out..... Uma Huber, Songs..... Artist Recital.....	Smack Out..... Dramatic Sketch..... Ann Leaf, Organ.....	Smack Out..... Trio Romantique..... Ann Leaf, Organ.....	Smack Out..... Rainbow Reflections..... Ann Leaf, Organ.....	NBC Farm Forum..... Short Story Program..... Dancing Echoes.....
	:45	{ NBC Blue. NBC Red. COLUM...	Concert Artists..... To Be Announced..... Minstrel Man.....	George Thom, Baritone..... Ma Perkins..... Poetic Strings.....	Nellie Revel..... Ma Perkins..... Artist Recital.....	Colette Carley, Songs..... Ma Perkins..... Ann Leaf, Organ.....	Vin Lindhe..... Ma Perkins..... Poetic Strings.....	To Be Announced..... Ma Perkins..... Ann Leaf, Organ.....	NBC Farm Forum..... Short Story Program..... Dancing Echoes.....
3	:00	{ NBC Blue. NBC Red. COLUM...	Bar-X Days, Nights..... Talkie Picture Time..... Symphony Orchestra.....	Radio Guild..... B. Whittley, Baritone..... Oahu Serenaders.....	Rochester Civic Orch..... String Ensemble..... Metropolitan Parade.....	Joe White, Tenor..... Marion McAfee, Songs..... Berumen Musicals.....	Sleepy Hall Orch..... Y. Davuloff, Basso..... Metropolitan Parade.....	Sleepy Hall Orch..... Y. Davuloff, Basso..... Metropolitan Parade.....	Oriental Gardens Orch..... Green Bros. Orch..... Round Towners.....
	:15	{ NBC Blue. NBC Red. COLUM...	Bar-X Days, Nights..... Talkie Picture Time..... Symphony Orchestra.....	Radio Guild..... The Wise Man..... Voice of Experience.....	Rochester Civic Orch..... String Ensemble..... Metropolitan Parade.....	Happy Days in Dixie..... The Wise Man..... Berumen Musicals.....	Upstagers Quartet..... Metropolitan Parade.....	Upstagers Quartet..... Metropolitan Parade.....	Oriental Gardens Orch..... Green Bros. Orch..... Round Towners.....
	:30	{ NBC Blue. NBC Red. COLUM...	Organ Recital..... Concert Ensemble..... Symphony Orchestra.....	Radio Guild..... Woman's Radio Review..... U. S. Marine Band.....	Roy Shields Orch..... Woman's Radio Review..... Emery Deutsch Orch.....	Happy Days in Dixie..... Woman's Radio Review..... Jack and Jane Carlton	Musical Keys..... Woman's Radio Review..... Student Federation.....	Musical Keys..... Woman's Radio Review..... Curtis Institute.....	Saturday Songsters..... Concert Orch..... Curtis Institute.....
	:45	{ NBC Blue. NBC Red. COLUM...	FBC Blue..... To Be Announced..... Minstrel Man.....	Radio Guild..... Woman's Radio Review..... U. S. Marine Band.....	Roy Shields Orch..... Woman's Radio Review..... Emery Deutsch Orch.....	Piano Duo..... Woman's Radio Review..... Columbia Salon Orch.	Lady Next Door..... Emery Deutsch Orch.....	Lady Next Door..... Emery Deutsch Orch.....	Saturday Songsters..... Concert Orch..... Curtis Institute.....
4	:00	{ NBC Blue. NBC Red. COLUM...	Sousa Men's Band..... Dramatic Sketch..... Symphony Orchestra.....	Betty and Bob..... Headlines in Song..... Bill Huggins, Songs.....	Betty and Bob..... Don Bigelow Orch..... U. S. Navy Band.....	Betty and Bob..... Pop Concert..... Manhattan Moods.....	Betty and Bob..... Pop Concert..... Manhattan Moods.....	Betty and Bob..... Pop Concert..... Eton Boys.....	Miniature Theatre..... Concert Orch..... George Hall Orch.....
	:15	{ NBC Blue. NBC Red. COLUM...	Dramatic Sketch..... Instrumental Trio..... Symphony Orchestra.....	Alice Joy, Dream Girl..... Story Program..... Meidy Parade.....	The Singing Stranger..... Don Bigelow Orch..... U. S. Navy Band.....	Alice Joy, Dream Girl..... Pop Concert..... Manhattan Moods.....	Alice Joy, Dream Girl..... Pop Concert..... Curtis Institute.....	The Singing Stranger..... Nellie Revel..... Curtis Institute.....	Miniature Theatre..... Concert Orch..... George Hall Orch.....
	:30	{ NBC Blue. NBC Red. COLUM...	Princess Pat Players..... Pedro Via Orch..... Symphony Orchestra.....	Cosopolitans..... To Be Announced..... To Be Announced.....	Alice Joy, Dream Girl..... Jimmy Rogers, Songs..... Bob Standish Orch.....	Educational Program..... Art Tatem, Pianist..... Science Service.....	Music Magic..... Hazel Glenn, Sopr..... Bob Standish, Barit....	Temple of Song..... Concert Orch..... U. S. Army Band....	Temple of Song..... Concert Orch..... U. S. Army Band....
	:45	{ NBC Blue. NBC Red. COLUM...	Princess Pat Players..... Pedro Via Orch..... Symphony Orchestra.....	High and Low..... Lady Next Door..... To Be Announced.....	Brown Palace Orch..... Lady Next Door..... Four Showmen.....	High and Low..... Lady Next Door..... Emery Deutsch Orch.....	Music Magic..... Lady Next Door..... Columbia Salon Orch.	Music Magic..... Lady Next Door..... Columbia Salon Orch.	Terrace Gardens Orch..... Lady Next Door..... Russian Gypsy Orch.....
5	:00	{ NBC Blue. NBC Red. COLUM...	National Vespers..... John B. Kennedy..... Chicago Knights.....	Your Health..... Don Bigelow Orch..... The Dictators.....	Brown Palace Orch..... The Music Box..... The Dictators.....	Roy Shields Orch..... Educational Program..... The Dictators.....	Fed. Women's Clubs..... Meredith Willson Orch..... George Hall Orch.....	William Lundell..... Madame Sylvia..... Pancho Orch.....	Kindergarten Program..... Don Bigelow Orch..... Pancho Orch.....
	:15	{ NBC Blue. NBC Red. COLUM...	National Vespers..... The Sylvan Trio..... Tony Wons.....	Jackie Heller, Tenor..... Don Bigelow Orch..... Skippy.....	Jackie Heller, Tenor..... The Music Box..... Skippy.....	Roy Shields Orch..... Ted Black Orch..... Skippy.....	Max Dofin, Violinist..... Meredith Willson Orch..... Skippy.....	Jackie Heller, Tenor..... N. Mazzucci, Cello..... Pancho Orch.....	Kindergarten Program..... Don Bigelow Orch..... Pancho Orch.....
	:30	{ NBC Blue. NBC Red. COLUM...	Musical Program..... Hoover Sentinels..... Crumit and Sanderson	The Singing Lady..... Frank Merriwell..... All American Boy.....	Singing Lady..... The Tattered Man..... All American Boy.....	Singing Lady..... Frank Merriwell..... All American Boy.....	Little Orphan Annie..... Children's Program..... String Trio.....	Little Orphan Annie..... Armchair Quartet..... Maurie Sherman Orch.	Plano Duo..... Economics..... All American Boy.....
	:45	{ NBC Blue. NBC Red. COLUM...	Musical Program..... Hoover Sentinels..... Crumit and Sanderson	Little Orphan Annie..... Bunkhouse Songs..... B. Nolan, N. Sherr...	Little Orphan Annie..... Children's Program..... String Trio.....	Little Orphan Annie..... Armchair Quartet..... Maurie Sherman Orch.	Little Orphan Annie..... Musical Drama..... String Trio.....	Little Orphan Annie..... Economics..... Tito Guizar, Tenor.....	Little Orphan Annie..... Economics..... Tito Guizar, Tenor.....

# Night PROGRAMS (Pacific Coast)

JUNE : PAGE [9]

Quarter Hour Periods in  
Pacific Standard Time

**4**:00 NBC Oran.  
NBC Gold.  
COL DL...  
P. M.  
Pacific ST

**Sunday**

Chase & Sanborn Hr.  
Community Forum....  
Doc Savage Adven....  
Chase & Sanborn Hr.  
Community Forum....  
Voice of Columbia....  
Chase & Sanborn Hr.  
Silhouettes....  
Voice of Columbia....  
Chase & Sanborn Hr.  
Silhouettes....  
Voice of Columbia....

**Monday**

Yeast Foamers....  
Josef Hornik Orch....  
Eastman and Evans....  
Yeast Foamers....  
Josef Hornik Orch....  
Songs at Eventide....  
Art and Music....  
Piano Pals....  
California Melodies....  
Little Orphan Annie....  
Canzonetta....  
California Melodies....

**Tuesday**

Fashion Program....  
Clyde Doerr Orch....  
The Troopers....  
Harmonica Program....  
Clyde Doerr Orch....  
Correct English....  
Back Stage Chatter....  
Sarah Kreindler....  
Musical Variety....  
Little Orphan Annie....  
John Toffoli Accor....  
Musical Variety....

**Wednesday**

Baron Munchausen....  
Ariom Trio....  
Little Theatre of Air....  
Baron Munchausen....  
Ariom Trio....  
Little Theatre of Air....  
Children's Hour....  
Josef Hornik Orch....  
Broadway Melodies....  
Little Orphan Annie....  
Josef Hornik Orch....  
Broadway Melodies....

**Thursday**

Fleischmann Hour....  
Ariom Trio....  
Emey Deutsch Violin....  
Fleischmann Hour....  
Ariom Trio....  
NRA Speaker....  
Fleischmann Hour....  
Marshall's Mavericks....  
Amateur Cracksmen....  
Children's Hour....  
Josef Hornik Orch....  
Broadway Melodies....  
Little Orphan Annie....  
Marshall's Mavericks....  
Amateur Cracksmen....

**Friday**

Well Dressed Woman....  
Studio Chatter....  
Hodge Podge Lodge....  
Piano Vignettes....  
Studio Chatter....  
Hodge Podge Lodge....  
Art Revue....  
Juvenile Programs....  
Real Life Dramas....  
Little Orphan Annie....  
Juvenile Program....  
Knaves and a Queen....

**Saturday**

Paul Carson, Organ....  
Hollywood on the Air....  
Morton Downey....  
Serena....  
Peasant Band....  
Morton Downey....  
Serena....  
Hands Across Border....  
Gus Arnhelm....  
Little Orphan Annie....  
Barbara McKeley, Hs...  
Dance Music....

**5**:00 NBC Oran.  
NBC Gold.  
COL DL...  
Pacific ST

Man, Merry-Go-Round  
Silhouettes....  
Carl Hoffmeyer Orch....  
Man, Merry-Go-Round  
Music Old and New....  
Carl Hoffmeyer Orch....  
Album Familiar Music....  
Music Old and New....  
Waring Pennsylvanians....  
Album Familiar Music....  
Henry M. Hyde, Astr....  
Waring Pennsylvanians....

Sinclair Minstrels....  
News Broadcast....  
Chesterfield Program....  
Sinclair Minstrels....  
Frank Merriwell....  
Chesterfield Program....  
Dobbsie Ship of Joy....  
Paul Carson, Organ....  
Charlie Lung Gang....  
Dobbsie, Ship of Joy....  
Paul Carson, Organ....  
The Zero Hour....

Ariom Trio....  
News Broadcast....  
Theatre of the Air....  
Ariom Trio....  
Organ Concert....  
Piano Thots....  
Texaco Fire Chief....  
Organ Concert....  
To Be Announced....  
Texaco Fire Chief....  
Behind the Footlight....  
To Be Announced....

Arion Trio....  
News Broadcast....  
Chesterfield Program....  
Arion Trio....  
Frank Merriwell....  
Chesterfield Program....  
Love Story Program....  
Piano Pals....  
Star's Human Behavior....  
Harry Stanton Basso....  
Charlie Lung Gang....  
Love Story Program....  
Piano Pals....  
To Be Announced....

Arion Trio....  
News Broadcast....  
Mark Warnow Orch....  
Arion Trio....  
Sax Appeal....  
Mark Warnow Orch....  
Love Story Program....  
Piano Pals....  
Behind the Footlights....  
Waring Pennsylvanians....  
To Be Announced....

Phil Harris, Orch....  
News Broadcast....  
Mark Warnow Orch....  
Arion Trio....  
Frank Merriwell....  
Sports Authority....  
Phil Baker, Armour....  
Organ Concert....  
Johnny Greene Orch....  
Phil Baker, Armour....  
Ross, Dog Stories....  
Johnny Greene Orch....

Colgate House Party....  
News Broadcast....  
Chesterfield Program....  
Colgate House Party....  
Tom Coakley, Orch....  
Chesterfield Program....  
Beatrice Fairfax....  
Dot Kay, Contralto....  
Dramatic Guild....  
Beatrice Fairfax....  
Organ Concert....  
Dramatic Guild....

**6**:00 NBC Oran.  
NBC Gold.  
COL DL...  
Pacific ST

Chevrolet Program....  
Gunnar Johansen....  
Wayne King's Orch....  
Chevrolet Program....  
Gunnar Johansen....  
Wayne King's Orch....  
Hall of Fame....  
Paul Carson, Organ....  
Jean Ellington....  
Hall of Fame....  
Paul Carson, Organ....  
Nanette LaSalle, Songs Musical Album....  
Salon Moderne....

Contented Program....  
Mark Hopkins Orch....  
Wayne King Orch....  
Contented Program....  
Mark Hopkins Orch....  
Wayne King Orch....  
Demi-Tasse Revue....  
Safety First....  
To Be Announced....  
Demi-Tasse Revue....  
Beauty Box Theatre....  
Emil Polak Orch....  
Harlem Serenade....

Beauty Box Theatre....  
Robt. Nurok, Ensem....  
Camel Caravan....  
Beauty Box Theatre....  
Robt. Nurok, Ensem....  
Camel Caravan....  
Doric Quartet....  
Clyde Doerr Orch....  
A. Spalding, Violin....  
Beauty Box Theatre....  
Emil Polak Orch....  
Chester Rowell....  
Clyde Doerr Orch....  
A. Spalding, Violin....

Corn Cob Pipe Club....  
Robt. Nurok, Ensem....  
Camel Caravan....  
Corn Cob Pipe Club....  
Robt. Nurok, Ensem....  
Camel Caravan....  
Doric Quartet....  
Clyde Doerr Orch....  
A. Spalding, Violin....  
Amos 'n' Andy....  
Emil Polak Orch....  
To Be Announced....  
Gene and Glenn....  
Emil Polak, Orch....  
Old Music Master....  
Memory Lane....  
Nat. Radio Forum....  
Chas. Barnet Orch....  
Memory Lane....  
Nat. Radio Forum....  
Voice of Experience....

Paul Whiteman, Orch....  
Robt. Nurok, Ensem....  
Camel Caravan....  
Paul Whiteman, Orch....  
Robt. Nurok, Ensem....  
Camel Caravan....  
Paul Whiteman, Orch....  
Federal Business Talk....  
Sleepy Valley....  
Paul Whiteman, Orch....  
Clyde Doerr Orch....  
The Playboys....  
First Nighter....  
Robt. Nurok, Ensem....  
Schiltz Progrin....  
First Nighter....  
Robt. Nurok, Ensem....  
Schiltz Program....  
General Tire Co. Progr....  
Clyde Doerr, Orch....  
Edgewater Beach Orch....  
General Tire Co. Progr....  
Clyde Doerr, Orch....  
Edith Murray....

Terraplan Travelcade....  
Robt. Nurok, Ensem....  
To Be Announced....  
Terraplan Travelcade....  
Robt. Nurok, Ensem....  
To Be Announced....  
Barn Dance....  
Piano Pals....  
Rhythm Revue....  
Barn Dance....  
Piano Pals....  
Rhythm Revue....

**7**:00 NBC Oran.  
NRC Gold.  
COL DL...  
Pacific ST

Wendell Hall....  
Quartet Time....  
Salon Moderne....  
Walter Winchell....  
Quartet Time....  
Henry Busse Orch....  
Josef Hornik Orch....  
The Merrymakers....  
Mme. Schumann-Hei...  
Phil Harris Orch....  
Josef Hornik Orch....  
The Merrymakers....

Amos 'n' Andy....  
Clyde Doerr Orch....  
"Fats" Waller Song....  
Gene and Glenn....  
Emil Polak, Orch....  
Old Music Master....  
Voice of Firestone....  
Stars of Hollywood....  
Military Band....  
Voice of Firestone....  
Stanford U. Program....  
Isham Jones Orch....

Amos 'n' Andy....  
Emil Polak Orch....  
To Be Announced....  
Gene and Glenn....  
Emil Polak, Orch....  
Old Music Master....  
Memory Lane....  
Nat. Radio Forum....  
Chas. Barnet Orch....  
Memory Lane....  
Nat. Radio Forum....  
Voice of Experience....

Amos 'n' Andy....  
Nanette LaSalle, Songs Musical Album....  
Vera Van, Songs....  
Knight's Cuckoo....  
Agriculture Today....  
Buccaneers....  
Memory Lane....  
Nat. Radio Forum....  
Chas. Barnet Orch....  
Memory Lane....  
Nat. Radio Forum....  
Babe Ruth Talks....  
Guy Lombardo Orch....

Amos 'n' Andy....  
Nanette LaSalle, Songs Musical Album....  
Vera Van, Songs....  
Gene and Glenn....  
S. F. Civic Program....  
Chas. Barnet Orch....  
Winning the West....  
Story of San Fran....  
Stras of Hollywood....  
Guy Lombardo Orch....  
To Be Announced....  
Babe Ruth Talks....  
Guy Lombardo Orch....

Amos 'n' Andy....  
Clef Dwellers....  
Minute Melodies....  
Gene and Glenn....  
S. F. Civic Program....  
Chas. Barnet Orch....  
Winning the West....  
Story of Hollywood....  
Dickerson Band....  
Winning the West....  
Ghost Story....  
Nanette LaSalle, Songs Musical Album....  
True Story Program....  
Dr. Seth Maker....  
Ghost Story....  
Nanette LaSalle, Songs Musical Album....  
True Story Program....

Barn Dance....  
Educational Program....  
Sylvia Fross....  
Barn Dance....  
Vocal and Instr....  
Champions Parade....  
Emil Polak Orch....  
Bal Tabarin Orch....  
Peter the Great....  
Emil Polak Orch....  
Bal Tabarin Orch....  
Peter the Great....

**8**:00 NBC Oran.  
NBC Gold.  
COL DL...  
Pacific ST

Adven. in Health....  
Rudy Seiger's Orch....  
The Merrymakers....  
Hollywood on the Air....  
Rudy Seiger's Orch....  
The Merrymakers....  
Hollywood on the Air....  
Bal Tabarin Orch....  
Henry Busse Orch....  
Hot dog on the...  
Bal Tabarin Orch....  
Charlie Davis Orch....

Shell Show....  
Josef Hornik Orch....  
Blue Moon Jamboree....  
Shell Show....  
Josef Hornik Orch....  
Blue Monday Jamboree....  
Shell Show....  
NBC Drama Hour....  
Blue Monday Jamboree....  
Shell Show....  
Herbert Kay Orch....  
Elizabeth Arden....

Ben Bernie's Orch....  
Chamber of Com....  
Harry Sosnik Orch....  
Ben Bernie's Orch....  
John Teel, Baritone....  
Harry Sosnik Orch....  
Death Valley Days....  
Herbert Kay Orch....  
Elizabeth Arden....  
Death Valley Days....  
Herbert Kay Orch....  
Elizabeth Arden....

Hour of Smiles....  
Stringwood Ensemble....  
Leaders of Tomorrow....  
Hour of Smiles....  
Stringwood Ensemble....  
Leaders of Tomorrow....  
Hour of Smiles....  
Police Chief Quinn....  
George Hall Orch....  
Hour of Smiles....  
Police Chief Quinn....  
George Hall Orch....

Standard Symphony....  
Ralph Kirby, Songs....  
Jean Elington....  
Standard Symphony....  
Jimmy Lunceford Orch....  
Reggie Childs Orch....  
Standard Symphony....  
Eng. Crime Clues....  
George Hall Orch....  
Standard Symphony....  
Eng. Crime Clues....  
Charlie Davis Orch....

Caswell Concert....  
Tom Gentry Orch....  
True Story Program....  
One Man's Family....  
City Council....  
Carl Hoffmeyer Orch....  
One Man's Family....  
Eng. Crime Clues....  
Sam Robbins Orch....  
In Old Brazil....  
Eng. Crime Clues....  
Charlie Davis Orch....

Floyd Gibbons....  
Cler Dwellers....  
Ted Fl Rio Orch....  
S. Kreindler, Violin....  
Carefree Carnival....  
Ted Fl Rio Orch....  
Russian Troubadours....  
Carefree Carnival....  
Gus Arnhelm Orch....  
Russian Troubadours....  
Carefree Carnival....  
Gus Arnhelm Orch....

**9**:00 NBC Oran.  
NBC Gold.  
COL DL...  
Pacific ST

Blackhawk Rest. Orch....  
U. of C. Program....  
Aaronson Commanders....  
Blackhawk Rest. Orch....  
U. of C. Program....  
Aaronson Commanders....  
Reader's Guide....  
Frankie Masters Orch....  
Jack Russell Orch....  
Readers Guide....  
Frankie Masters Orch....  
Jack Russell Orch....

In Old Brazil....  
Armand Program....  
Cora Scott, Fashions....  
Mark Hopkins Orch....  
Lydia Lucas Orch....  
Jack Russell Orch....  
Meredith Willson Orch....  
Frankie Masters Orch....  
Aaronson Commanders....  
Meredith Willson Orch....  
Frankie Masters Orch....  
Aaronson Commanders....

The Big Ten....  
Clyde Lucas Orch....  
Hedge Podge Lodge....  
The Big Ten....  
Clyde Lucas Orch....  
Hedge Podge Lodge....  
Oriental Garden Orch....  
Mark Hopkins Orch....  
Aaronson Commanders....  
Oriental Gardens Orch....  
Mark Hopkins Orch....  
Aaronson Commanders....

Sports Headliners....  
Blackhawk Rest. Orch....  
Gus Arnhelm Orch....  
Harry Barres Orch....  
Book Parade....  
Jack Russell Orch....  
Tom Coakley, Orch....  
Marshall's Mavericks....  
Aaronson Commanders....  
Tom Coakley Orch....  
Marshall's Mavericks....  
Aaronson Commanders....

Maxwell House....  
Mark Hopkins Orch....  
Jack Russell Orch....  
Maxwell House....  
Mark Hopkins Orch....  
J. Chm. of Com....  
Maxwell House....  
Rainbow Harmonies....  
Aaronson Commanders....  
Maxwell House....  
Rainbow Harmonies....  
Aaronson Commanders....

Meredith Willson Orch....  
Clyde Lucas Orch....  
Gus Arnhelm Orch....  
Meredith Willson Orch....  
Dramatic Program....  
Cora Scott, Fashions....  
Tom Coakley, Orch....  
Spiritual Fantasy....  
Aaronson Commanders....  
Tom Coakley Orch....  
Spiritual Fantasy....  
Aaronson Commanders....

Blackhawk Rest. Orch....  
Blue Moonlight....  
Harry Sosnik Orch....  
Blackhawk Rest. Orch....  
Blue Moonlight....  
Harry Sosnik Orch....  
Tom Coakley Orch....  
Clyde Lucas Orch....  
Earl Hoffman Orch....  
Tom Coakley Orch....  
Clyde Lucas Orch....  
Earl Hoffman Orch....

**10**:00 NBC Oran.  
NBC Gold.  
COL DL...  
Pacific ST

Richfield News Flashes....  
Herbert Kay Orch....  
News Editor of Air....  
Paul Carson, Organ....  
Herbert Kay Orch....  
Gus Arnhelm Orch....  
Paul Carson, Organ....  
Emil Polak Orch....  
Gus Arnhelm Orch....

Richfield News Flashes....  
Night Court....  
News Editor of Air....  
Tom Coakley Orch....  
Night Court....  
Harry Jackson Orch....  
Tom Coakley Orch....  
Night Court....  
Gus Arnhelm Orch....  
Tom Coakley Orch....  
Night Court....  
Gus Arnhelm Orch....

Richfield News Flashes....  
Night Court....  
News Editor of Air....  
Tom Coakley Orch....  
Night Court....  
Harry Jackson Orch....  
Tom Coakley Orch....  
Night Court....  
Gus Arnhelm Orch....  
Tom Coakley Orch....  
Night Court....  
Gus Arnhelm Orch....

Richfield News Flashes....  
Night Court....  
News Editor of Air....  
Tom Coakley Orch....  
Night Court....  
Harry Jackson Orch....  
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Gus Arnhelm Orch....  
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Night Court....  
Gus Arnhelm Orch....

Richfield News Flashes....  
Night Court....  
News Editor of Air....  
Tom Coakley Orch....  
Night Court....  
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Gus Arnhelm Orch....

Harry Barres Orch....  
Mark Hopkins Orch....  
News Editor of Air....  
Harry Barres Orch....  
Mark Hopkins Orch....  
Harry Jackson Orch....  
Club Victor Orch....  
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Organ Concert....  
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Aaronson Commanders....  
Bal Tabarin Orch....  
Amhass. Hotel Orch....  
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Amhass. Hotel Orch....  
Aaronson Commanders....  
Carol Lofne Orch....  
Organ Concert....  
Midnight Moods....  
Carol Lofne Orch....  
Organ Concert....  
Midnight Moods....  
Carol Lofne Orch....  
Organ Concert....  
Midnight Moods....

Bal Tabarin Orch....  
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Aaronson Commanders....  
Bal Tabarin Orch....  
Amhass. Hotel Orch....  
Aaronson Commanders....  
Bal Tabarin Orch....  
Amhass. Hotel Orch....  
Aaronson Commanders....  
Carol Lofne Orch....  
Organ Concert....  
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Bal Tabarin Orch....  
Amhass. Hotel Orch....  
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Club Victor Orch....  
Organ Concert....  
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Club Victor Orch....  
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Club Victor Orch....  
Organ Concert....  
Midnight Moods....

Bal Tabarin Orch....  
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Aaronson Commanders....  
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Amhass. Hotel Orch....  
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Amhass. Hotel Orch....  
Aaronson Commanders....  
Club Victor Orch....  
Organ Concert....  
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Club Victor Orch....  
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Midnight Moods....  
Club Victor Orch....  
Organ Concert....  
Midnight Moods....

Organ Concert....  
Antbass. Hotel Orch....  
Aaronson Commanders....  
Organ Concert....  
Antbass. Hotel Orch....  
Aaronson Commanders....  
Organ Concert....  
Antbass. Hotel Orch....  
Aaronson Commanders....  
Club Victor Orch....  
Organ Concert....  
Midnight Moods....  
Club Victor Orch....  
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Midnight Moods....  
Club Victor Orch....  
Organ Concert....  
Midnight Moods....

Organ Concert....  
Antbass. Hotel Orch....  
Aaronson Commanders....  
Organ Concert....  
Antbass. Hotel Orch....  
Aaronson Commanders....  
Organ Concert....  
Antbass. Hotel Orch....  
Aaronson Commanders....  
Club Victor Orch....  
Organ Concert....  
Midnight Moods....  
Club Victor Orch....  
Organ Concert....  
Midnight Moods....  
Club Victor Orch....  
Organ Concert....  
Midnight Moods....

hours of each day are in black horizontal panels, from six to midnight New York time (3 to 9 Pacific Coast). Consider only the time in your own time zone.

This table covers six hours of evening broadcasting for each day of the week, each day being in a vertical panel and the six in a horizontal panel, from six to midnight New York time (3 to 9 Pacific Coast).

# IF YOU LIVE IN NORTH AMERICA, HERE'S YOUR

# EVENING

In this column time is shown in five zones, each hour divided into quarter hour periods and each of these showing the four chains whose programs are listed on these pages.

**76543**

Atlantic Time... NBC Blue, NBC Red, COLUM. CANADA  
Eastern Time... NBC Blue, NBC Red, COLUM. CANADA  
Central Time... NBC Blue, NBC Red, COLUM. CANADA  
Mountain Time... NBC Blue, NBC Red, COLUM. CANADA  
Pacific Time... NBC Blue, NBC Red, COLUM. CANADA

**87654**

Atlantic Time... NBC Blue, NBC Red, COLUM. CANADA  
Eastern Time... NBC Blue, NBC Red, COLUM. CANADA  
Central Time... NBC Blue, NBC Red, COLUM. CANADA  
Mountain Time... NBC Blue, NBC Red, COLUM. CANADA  
Pacific Time... NBC Blue, NBC Red, COLUM. CANADA

**98765**

Atlantic Time... NBC Blue, NBC Red, COLUM. CANADA  
Eastern Time... NBC Blue, NBC Red, COLUM. CANADA  
Central Time... NBC Blue, NBC Red, COLUM. CANADA  
Mountain Time... NBC Blue, NBC Red, COLUM. CANADA  
Pacific Time... NBC Blue, NBC Red, COLUM. CANADA

**109876**

Atlantic Time... NBC Blue, NBC Red, COLUM. CANADA  
Eastern Time... NBC Blue, NBC Red, COLUM. CANADA  
Central Time... NBC Blue, NBC Red, COLUM. CANADA  
Mountain Time... NBC Blue, NBC Red, COLUM. CANADA  
Pacific Time... NBC Blue, NBC Red, COLUM. CANADA

**1110987**

Atlantic Time... NBC Blue, NBC Red, COLUM. CANADA  
Eastern Time... NBC Blue, NBC Red, COLUM. CANADA  
Central Time... NBC Blue, NBC Red, COLUM. CANADA  
Mountain Time... NBC Blue, NBC Red, COLUM. CANADA  
Pacific Time... NBC Blue, NBC Red, COLUM. CANADA

**12111098**

Atlantic Time... NBC Blue, NBC Red, COLUM. CANADA  
Eastern Time... NBC Blue, NBC Red, COLUM. CANADA  
Central Time... NBC Blue, NBC Red, COLUM. CANADA  
Mountain Time... NBC Blue, NBC Red, COLUM. CANADA  
Pacific Time... NBC Blue, NBC Red, COLUM. CANADA

## SUNDAY EVENING PROGRAMS

Origin	Title	Zones
Chi... Egon Petri, Pianist	EandC	
NY... Catholic Hour	EandC	
Wash... Roses and Drums	EandC	
Chi... Egon Petri, Pianist	EandC	
NY... Catholic Hour	EandC	
Wash... Roses and Drums	EandC	
Wash... Hill Billy Heart Throbs	EandC	
Wash... Our American School	ECMP	
Mon... Smiling Ed McConnell	EandC	
Mon... Piano Ramblers	AandE	
Wash... Hill Billy Heart Throbs	EandC	
Wash... Our American School	ECMP	
Mon... Poets Gold	ECM	
Mon... Piano Ramblers	AandE	

Origin	Title	Zones
Chi... Silken Strings	ECMP	
NY... Kay-Seven	EandC	
NY... Hampton Institute Choir	EandC	
Mon... Musical Revue	AandE	
Chi... Silken Strings	ECMP	
NY... Kay-Seven	EandC	
Mon... Hampton Institute Choir	EandC	
Mon... Musical Revue	AandE	
NY... The Bakers' Broadcast	ECMP	
NY... Elizabeth Lennox, Songs	EandC	
NY... Nick Licas, Songs	ECM	
NY... Musical Revue	AandE	
NY... The Bakers' Broadcast	ECMP	
Chi... Wendell Hall	EandC	
Chi... Rin Tin Tin Thrillers	EandC	
NY... Musical Revue	AandE	

Origin	Title	Zones
NY... Musical Revue	EandC	
NY... Chase & Sanborn Hour	ECMP	
Mon... Eddie Rich Entertainers	ECM	
For... Jean Hesson, Soprano	AEC	
NY... Musical Revue	EandC	
NY... Chase & Sanborn Hour	ECMP	
Mon... Eddie Rich Entertainers	ECMP	
For... Jean Hesson, Soprano	AEC	
NY... Musical Revue	EandC	
NY... Chase & Sanborn Hour	ECMP	
LosA... California Melodies	ECMP	
AtP... Chateau Laurier Musicale	AtP	
NY... Musical Revue	EandC	
NY... Chase & Sanborn Hour	ECMP	
LosA... California Melodies	ECMP	
AtP... Chateau Laurier Musicale	AtP	

Origin	Title	Zones
NY... Gulf Headliners	EandC	
NY... Manhattan Merry-Go-Round	ECMP	
Mon... Ward's Family Theater	EandC	
Mon... Winnipeg Symphony Orchestra	AtP	
NY... Gulf Headliners	EandC	
NY... Manhattan Merry-Go-Round	ECMP	
Mon... Ward's Family Theater	EandC	
Mon... Winnipeg Symphony Orchestra	AtP	
NY... Walter Winchell	EandC	
NY... American Album Familiar Music	ECMP	
Winn... Waring's Pennsylvanians	ECMP	
Winn... Winnipeg Symphony Orchestra	AtP	
Chi... Horlick's Adventures In Health	EandC	
NY... American Album Familiar Music	ECMP	
Winn... Waring's Pennsylvanians	ECMP	
Winn... Winnipeg Symphony Orchestra	AtP	

Origin	Title	Zones
NY... Madame Schumann-Heink	EandC	
NY... Chevrolet Program	ECMP	
Chi... Wayne King Orch.	ECMP	
Mon... Canadian Capers	AtP	
NY... Siberian Singers	EandC	
NY... Chevrolet Program	ECMP	
Chi... Wayne King Orch.	ECMP	
Mon... Canadian Capers	AtP	
NY... Siberian Singers	EandC	
NY... Hall of Fame	ECMP	
Holl... 45 Minutes in Hollywood	ECM	
Holl... Atlantic Nocturne	AtP	
NY... To Be Announced	EandC	
NY... Hall of Fame	ECMP	
NY... 45 Minutes in Hollywood	ECMP	
Holl... Atlantic Nocturne	AtP	

Origin	Title	Zones
Chi... Roxanne Wallace, Contralto	EandC	
Chi... Goodrich Baseball Scores	Enly	
Chi... 45 Minutes in Hollywood	ECMP	
Chi... Atlantic Nocturne	Wash.	
Chi... Ennio Bolognini	EandC	
Mon... Canadian Capers	EandC	
Chi... Little Jack Little	EandC	
Chi... To Be Announced	EandC	
Chi... Ben Pollack Orch.	EandC	
Vanc... Little Jack Little	ECMP	
Vanc... The Western Singer	Pony	
Chi... To Be Announced	EandC	
Chi... Ben Pollack Orch.	EandC	
Chi... Johnny Johnson Orch.	ECM	
Vanc... The Western Singer	Pony	

## MONDAY EVENING PROGRAMS

Origin	Title	Zones
Chi... Irene Beasley, Songs	EandC	
NY... Peter Van Steeden Orch.	ECMP	
Chi... Buck Rogers in 25th Century	EandC	
Wash... U. S. Army Band	EandC	
NY... Peter Van Steeden Orch.	EandC	
Chi... Edward Wurtzebach Orch.	ECM	
Chi... The Singing Lady	Enly	
Chi... Grandmother's Trunk	EandC	
Chi... Charles Barnet Orch.	ECM	
Mon... Three Hearts in Harmony	AandE	
Lowell Thomas, News	EandC	
HorseSense Philosophy	EandC	
Oxie Circus	Enly	
Mont... Three Hearts in Harmony	AandE	

Origin	Title	Zones
Chi... Amos 'n' Andy	Enly	
Chi... Goodrich Baseball Scores	Enly	
Chi... Jack Russell Orch.	Enly	
Mon... Chas. Oornberger Orch.	AandE	
Baby Rose Marie, Songs	Enly	
Gene and Glenn	Enly	
Phil... Billy Hayes Orch.	EandC	
Mon... Chas. Dornberger Orch.	AandE	
Mario Cozzi, Baritone	ECMP	
The Mollie Show	EandC	
Music on the Air	AandE	
Tor... Ted Andrews Orch.	AtP	
NY... Dramatic Sketch	EandC	
NY... The Goldbergs	EandC	
Boake Carter, News	EandC	
Tor... Ted Andrews Orch.	AandE	

Origin	Title	Zones
Chi... Yeast Foame s	ECMP	
Chi... Soconyland Sketches	Enly	
Chi... Merv Eastman, Soprano	EandC	
Win... Caprice	AEC	
Chi... East Flanders	ECMP	
Chi... Soconyland Sketches	Enly	
Chi... Edwin C. Hill, News	EandC	
Win... Caprice	AEC	
Chi... Maple City Male Quartet	EandC	
Chi... The Voice of Firestone	ECMP	
Chi... Bing Crosby	ECMP	
Que... Musicals	AEC	
Chi... Babe Ruth Baseball Talk	EandC	
Chi... The Voice of Firestone	ECMP	
Chi... Bing Crosby	ECMP	
Tor... Beautiful Lady	AEC	

Origin	Title	Zones
Chi... Sinclair Greater Minstrels	ECMP	
Chi... A & P Gypsies	EandC	
Chi... Andre Kostelanetz Orch.	ECMP	
Tor... Melody Lane	AtP	
Chi... Sinclair Greater Minstrels	ECMP	
Chi... A & P Gypsies	EandC	
Chi... Andre Kostelanetz Orch.	ECMP	
Tor... Melody Lane	AtP	
Chi... Jack Frost, Melody Moments	Enly	
SF... Capt. Dobbie, Ship of Joy	ECMP	
Chi... The Big Show	ECM	
Tor... Melody Lane	AtP	
Chi... Jack Frost, Melody Moments	Enly	
Capt. Dobbie, Ship of Joy	ECMP	
Chi... The Big Show	ECM	
Tor... Melody Lane	AtP	

Origin	Title	Zones
Chi... Walter Damrosch Orch	EandC	
Chi... Contented Program	ECMP	
Chi... Wayne King Orch.	ECMP	
Mont... Masters of Music	AandE	
Chi... Walter Damrosch Orch	EandC	
Chi... Contented Program	ECMP	
Chi... Wayne King Orch.	ECMP	
Mont... Masters of Music	AandE	
Chi... Walter Damrosch Orch	EandC	
Wash... Pan American Concert	EandC	
Chi... Musical Album	ECMP	
NY... Hotel Pierre Orch.	AtP	
Chi... Siberian Singers	EandC	
Wash... Pan American Concert	EandC	
Chi... Musical Album	ECMP	
NY... Hotel Pierre Orch.	AtP	

Origin	Title	Zones
Chi... Amos 'n' Andy	CMP	
Chi... Mary Courtland, Soprano	EandC	
Chi... "Fats" Waller, Songs	ECMP	
NY... Hotel Pierre Orch.	ECMP	
Chi... Poet Prince	EandC	
Chi... Gene and Glenn	EandC	
Chi... H. V. Kaltenborn	ECM	
Chi... Jack Denny Orchestra	EandC	
Chi... Clyde Lucas Orchestra	EandC	
Chi... Isham Jones Orchestra	ECM	
Reg... Moonlight on the River	AtP	
Chi... Jack Oeney Orchestra	EandC	
Chi... Clyde Lucas Orchestra	EandC	
Chi... Enoch Light Orchestra	ECM	
Reg... Moonlight on the River	AtP	

## TUESDAY EVENING PROGRAMS

Origin	Title	Zones
Angelo Ferdinando Orch.	EandC	
NY... Mme. Frances Alda	EandC	
Chi... Buck Rogers in 25th Century	Enly	
Angelo Ferilindino Orch.	EandC	
NY... Mme. Frances Alda	EandC	
Chi... Bob Nolan and Norm Sherr	ECM	
The Ivory Stamp Club	Enly	
Mid-Week Hymn Sing	EandC	
M. Raginsky Ensemble	EandC	
Tor... Violin and Piano	AandE	
Lowell Thomas, News	EandC	
Mary Small, Juvenile Songs	EandC	
Enoch Light Orch.	ECM	
Tor... Xylophone and Piano	AandE	

Origin	Title	Zones
Chi... Amos 'n' Andy	Enly	
NY... Goodrich Baseball Scores	Enly	
Chi... Morton Owey, Tenor	ECM	
Tor... Rex Battle Orch.	AandE	
You and Your Government	ECMP	
Gene and Glenn	EandC	
Phil... Meyer Davis Orch.	Enly	
Tor... Rex Battle Orch.	AandE	
You and Your Government	ECMP	
Tastyeast Seers	Enly	
Phil... Silver Dust Serenaders	EandC	
Tor... Flute, Violin, Cello and Organ	AandE	
Grace Hays, Songs	EandC	
The Goldbergs	EandC	
Boake Carter, News	EandC	
Tor... Flute, Violin, Cello and Organ	AandE	

Origin	Title	Zones
Chi... Enzo Crime Clues	EandC	
NY... Leo Reisman Orchestra	ECM	
The Troopers	EandC	
Edm... Violin and Violoncelles	AandE	
Enzo Crime Clues	EandC	
NY... Leo Reisman Orchestra	ECMP	
Edm... Violin and Violoncelles	AandE	
Enzo Crime Clues	EandC	
NY... Leo Reisman Orchestra	ECMP	
Edm... Voice of Experience	EandC	
Edm... Violin and Violoncelles	AandE	
Chi... Hudson Vocalians	EandC	
Chi... Wayne King Orch.	EandC	
Abe Lyman Orch.	EandC	
Mon... Radio Theatre Guild	AandE	
Chi... Hudson Vocalians	EandC	
Chi... Wayne King Orch.	EandC	
Abe Lyman Orch.	EandC	
Mon... Radio Theatre Guild	AandE	

Origin	Title	Zones
Chi... Musical Memories	EandC	
Chi... Ben Bernie's Orchestra	ECMP	
Fro... Fine Martin & Co.	EandC	
Win... Westminster Choir	AtP	
Chi... Musical Memories	EandC	
Chi... Ben Bernie's Orchestra	ECMP	
James Thurber, Humorist	ECMP	
Win... Westminster Choir	AtP	
Chi... Eddie Duchin Orchestra	EandC	
NY... Texaco Fire Chief Program		

# PROGRAM

SIX HOURS OF NETWORK  
RELEASES IN ALL ZONES

## WEDNESDAY EVENING PROGRAMS

Origin	Title	Zones
Chi....	Irene Beasley, Contralto	EandC
NY....	Xavier Cugat's Orchestra	EandC
.....	Buck Rogers in 25th Century	Eonly
Chi....	Children's Corner	EandC
NY....	Xavier Cugat's Orchestra	EandC
Chi....	Edward Wurtzbach Orch.	ECM
Chi....	Three X Sisters	EandC
.....	Yasha Davidoff, Basso	EandC
.....	Charley Davis Orch.	EandC
Mont....	Russian Vagabonds	AandE
Chi....	Lowell Thomas; News	EandC
.....	Martha Mears, Contralto	EandC
.....	Peabody Bros.	ECM
Mont....	Russian Vagabonds	AandE
Chi....	Amos 'n' Andy	Eonly
.....	Goodrich Baseball Scores	Eonly
Chi....	Vera Van, Songs	ECM
Mont....	Chas. Dornberger Orch.	AandE
.....	To Be Announced	EandC
.....	Gene and Glenn	EandC
Chi....	Just Plain Bill	EandC
Mont....	Chas. Dornberger Orch.	AandE
.....	Yvette Ruget, Soprano	EandC
Phil....	The Molle Show	EandC
Phil....	Music on the Air	EandC
StJ....	Fundy Fantasy	AandE
.....	Dramatic Sketch	ECMP
NY....	The Goldbergs	EandC
.....	Boake Carter, News	EandC
StJ....	Fundy Fantasy	AandE
NY....	Eno Crime Clues	EandC
NY....	Baron Munchausen	ECMP
NY....	Happy Bakers	EandC
Cal....	The Serenaders	AECM
NY....	Eno Crime Clues	EandC
NY....	Baron Munchausen	ECMP
NY....	Easy Aces	EandC
Cal....	The Serenaders	AECM
Chi....	Maple City Male Quartet	EandC
Chi....	Vayne Kinn Orch.	EandC
.....	Broadway Melodies	ECMP
Ott....	Rainbow Rhythms	AECM
.....	Babe Ruth Baseball Talk	EandC
Chi....	Wayne Kinn Orch.	EandC
.....	Broadway Melodies	ECMP
Ott....	Rainbow Rhythms	AECM
NY....	Raymond Knight Cuckoos	EandC
NY....	Hour o' Smiles	ECMP
NY....	Chesterfield Program	ECMP
Mont....	Une heure pres de vous	Atop
NY....	Raymond Knight and Cuckoos	EandC
NY....	Hour o' Smiles	ECMP
NY....	Chesterfield Program	ECMP
Mont....	Une heure pres de vous	Atop
.....	Love Story Program	ECMP
NY....	Hour o' Smiles	ECMP
.....	Guy Lombardo's Orchestra	ECMP
Mont....	Une heure pres de vous	Atop
.....	Love Story Program	ECMP
NY....	Hour o' Smiles	ECMP
.....	Guy Lombardo's Orchestra	ECMP
Mont....	Une heure pres de vous	Atop
Chi....	Vincent Lopez Orchestra	EandC
Rich....	Corn Cob Pipe Club	ECMP
.....	Dramatic Guild	ECMP
Reg....	Helene Morton, Soprano	AandE
Chi....	Vincent Lopez Orchestra	EandC
Rich....	Corn Cob Pipe Club	ECMP
.....	Dramatic Guild	ECMP
Reg....	Helene Morton, Soprano	AandE
.....	J. k Denny Orch.	ECMP
Edw....	Tomlinson, Lecturer	EandC
.....	Albert Spalding, Violin	ECMP
NY....	It's Jack Little	Atop
.....	Jack Denny Orchestra	ECMP
Edw....	Tomlinson, Lecturer	EandC
.....	Albert Spalding, Violin	ECMP
NY....	Frank Dailey Orch.	Atop
Chi....	Amos 'n' Andy	ECMP
.....	Angelo Ferdinando Orch.	EandC
.....	Nick Lucas, Songs	ECM
NY....	Frank Dailey Orch.	Atop
.....	John Fonary, Tenor	EandC
.....	Enie Madriguera Orch.	EandC
.....	New Service	ECM
Chi....	Oriental Gardens Orch.	EandC
Chi....	Hotel Roosevelt Orch.	EandC
.....	Little Jack Little	ECM
Cal....	Violin Classics	Atop
.....	Ben Pollack Orchestra	EandC
.....	Hotel Roosevelt Orch.	EandC
.....	Frank Dailey Orch.	ECM
Win....	Cherie and Rod	Eonly

## THURSDAY EVENING PROGRAMS

Origin	Title	Zones
Chi....	U. S. Army Band	EandC
NY....	Xavier Cugat's Orchestra	EandC
.....	Buck Rogers in 25th Century	Eonly
NY....	U. S. Army Band	EandC
NY....	Xavier Cugat's Orchestra	EandC
Chi....	Bobi Nolan and Norm Sherr	ECM
.....	The Ivory Stamp Club	Eonly
.....	John B. Kennedy	EandC
.....	Round Towners	EandC
Que....	The Minstrels	AandE
.....	Lowell Thomas; News	EandC
.....	Mary Small, Juvenile Songs	EandC
.....	M. Raginsky Ensemble	EandC
Que....	The Minstrels	AandE
Chi....	Amos 'n' Andy	Eonly
.....	Goodrich Baseball Scores	Eonly
Chi....	Sylvia Froos, Songs	ECM
Ott....	Chateau Laurier Orchestra	Aonly
.....	Ed Lowry, Comedian	EandC
.....	Gene and Glenn	EandC
Phil....	Just Plain Bill	Eonly
Ott....	Chateau Laurier Orch.	Aonly
NY....	Richard Humber Orch.	EandC
Phil....	The Molle Show	EandC
Phil....	Oliver Naylor's Orchestra	Eonly
For....	Instrumental, Vocal	AandE
NY....	Richard Humber Orch.	EandC
NY....	The Goldbergs	EandC
.....	Boake Carter, News	EandC
Tor....	Instrumental, Vocal	AandE
.....	Mountaineer Sketch	EandC
Holl....	Fleischmann Hour	ECMP
.....	Emery Deutsch, Violin	ECM
Mont....	Sous les pons de Paris	AandE
.....	Mountaineer Sketch	EandC
Holl....	Fleischmann Hour	ECMP
.....	Easy Aces	EandC
Mont....	Sous les pons de Paris	AandE
.....	Grace Hayes, Songs	EandC
Holl....	Fleischmann Hour	ECMP
.....	Amateur Cracksman	ECMP
Tor....	Fird Song Imitation	AECM
.....	Edoert Simmons, Tenor	EandC
Holl....	Fleischmann Hour	ECMP
.....	The Amateur Cracksman	ECMP
Ott....	Hitchens Banjo Trio	AECM
NY....	Death Valley Days	EandC
NY....	Maxwell House Show Boat	ECMP
.....	Mark Warino Orch.	ECM
Mont....	Parade of the Provinces	Atop
NY....	Death Valley Days	EandC
NY....	Maxwell House Show Boat	ECMP
.....	Mark Warino Orch.	ECM
Mont....	Parade of the Provinces	Atop
NY....	Eddie Durbin Orchestra	EandC
NY....	Maxwell House Show Boat	ECMP
.....	Warin's Pennsylvanians	ECMP
Que....	Concert Recital	Atop
NY....	Eddie Durbin Orchestra	EandC
NY....	Maxwell House Show Boat	ECMP
.....	Warin's Pennsylvanians	ECMP
Que....	Concert Recital	Atop
Mont....	Parade of the Provinces	EandC
NY....	Paul Whiteman's Orchestra	ECMP
.....	Camel Caravan	ECMP
Edm....	Sunny Skies	Atop
.....	Echoes of the Palisades	EandC
NY....	Paul Whiteman's Orchestra	ECMP
.....	Camel Caravan	ECMP
Edm....	Sunny Skies	Atop
.....	Echoes of the Palisades	EandC
NY....	Paul Whiteman's Orchestra	ECMP
.....	Any Leaf, Organ	ECM
Mont....	Maurice Meerte's Orchestra	Atop
.....	Erico of the Palisades	EandC
NY....	Paul Whiteman's Orchestra	ECMP
.....	James Thrasher, Humorist	ECM
Mont....	Maurice Meerte's Orchestra	Atop
Chi....	Amos 'n' Andy	ECMP
.....	Fox Fur Trappers	EandC
.....	Van 'n' Con 'n'	ECM
Mont....	Maurice Meerte Orch.	Atop
NY....	The Poet Prince	EandC
Chi....	Kathy Norman, Soprano	EandC
.....	News Service	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Sask....	Sea Songs and Chanteys	Atop
.....	Waldorf-Astoria Orchestra	EandC
NY....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM

Each hour is divided into quarter hour periods and each of the four transcontinental broadcasts running simultaneously are listed—the Blue and Red networks of NBC, the Columbia and the CRB of Canada. The origin of each program is at the left; the zones at the right.

## FRIDAY EVENING PROGRAMS

Origin	Title	Zones
.....	Angelo Ferdinando Orch.	EandC
NY....	Xavier Cugat's Orchestra	ECMP
.....	H. V. Kaltenborn	AandC
.....	Angelo Ferdinando Orch.	EandC
NY....	Xavier Cugat Orchestra	ECMP
.....	Mont. Musicals	AandE
Bos....	O'Leary Irish Minstrels	EandC
.....	Cheorio Musical Mosaics	Latnic
.....	Freddie Rich Orchestra	EandC
Mont....	Mont. Musicals	AandE
.....	Lowell Thomas; News	Eonly
.....	Wiliam Hain, Tenor	EandC
.....	Peabody Bros.	EandC
Mont....	Mont. Musicals	AandE
Chi....	Amos 'n' Andy	Eonly
.....	Goodrich Baseball Scores	Eonly
Chi....	Sylvia Froos, Songs	ECM
Ott....	Chateau Laurier Orchestra	Aonly
.....	Ed Lowry, Comedian	EandC
.....	Gene and Glenn	EandC
Phil....	Just Plain Bill	Eonly
Ott....	Chateau Laurier Orch.	Aonly
NY....	Richard Humber Orch.	EandC
Phil....	The Molle Show	EandC
Phil....	Oliver Naylor's Orchestra	Eonly
For....	Instrumental, Vocal	AandE
NY....	Richard Humber Orch.	EandC
NY....	The Goldbergs	EandC
.....	Boake Carter, News	EandC
Tor....	Instrumental, Vocal	AandE
.....	Nestles' Chocolateers	EandC
.....	Cities Service Concert	ECM
Chi....	Zoel Parenteau's Orchestra	Eonly
Win....	Iito Fandos, Tenor	AandE
.....	Nestles' Chocolateers	EandC
.....	Cities Service Concert	ECM
Win....	Iito Fandos, Tenor	AandE
.....	Manie City, Male Quartet	EandC
.....	Cities Service Concert	ECM
ott....	True Story Program	EandC
Joe....	Joe De Courcy Orch.	Atop
.....	Babe Ruth Baseball Talk	EandC
.....	Cities Service Concert	ECM
ott....	True Story Program	EandC
Joe....	Joe De Courcy Orch.	Atop
.....	Phil Harris Orchestra	ECMP
.....	Abe Lyman Orchestra	EandC
.....	Billy Hays Orch.	EandC
Reg....	Gypsy Rhapsody	Atop
.....	Phil Harris Orchestra	ECMP
.....	Abe Lyman Orchestra	EandC
.....	Little Jack Little	EandC
Tor....	Musicale	Atop
Chi....	The Armour Program	ECMP
.....	One Night Stand	EandC
.....	Powder Box Revue	ECMP
For....	Melodic Strings	Atop
Chi....	The Armour Program	ECMP
.....	One Night Stand	EandC
.....	Powder Box Revue	ECMP
For....	Melodic Strings	Atop
Bos....	Fulton Ousler, Stories	EandC
Chi....	First Nighter, Sketch	ECMP
.....	Schlitz Program of Week	FCMP
Vanc....	Moonlight on Pacific	Atop
.....	Maria Cozzi, Paritone	EandC
Chi....	First Nighter, Sketch	ECMP
Vanc....	Schlitz Program of Week	FCMP
.....	Moonlight on Pacific	Atop
.....	NBC String Symphony	EandC
NY....	Jack Benny, Mary Livingston	EandC
.....	Phil Spitalny Ensemble	Eony
NY....	Vincent Lopez Orch.	Atop
.....	NBC Symphony Orch.	EandC
NY....	Jack Benny, Mary Livingston	ECMP
Chi....	E. Murray, Songs	ECMP
NY....	Vincent Lopez Orch.	Atop
Chi....	Amos 'n' Andy	ECMP
.....	Kathryn Newman, Soprano	EandC
.....	Political Program	ECM
Vanc....	Concert Program	Atop
.....	Robert Simmons, Tenor	EandC
.....	Clara Lucas Orch.	EandC
.....	News Service	ECM
.....	To Be Announced	EandC
NY....	Vincent Lopez Orchestra	EandC
.....	True Story Program	ECMP
Sask....	The Rhythm Girls	Atop
.....	To Be Announced	EandC
NY....	Vincent Lopez Orchestra	Eonly
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM
.....	Waldorf-Astoria Orchestra	EandC
.....	Ghost Stories	EandC
Chi....	Henry Busse Orchestra	Eonly
Sask....	Sea Son's and Chanteys	ECM

**MOVIE STARS WHO BROADCAST**

IRENE DUNNE



AL JOLSON



JOHN BARRYMORE



CLARK GABLE



LOIS MORAN



KAY FRANCIS

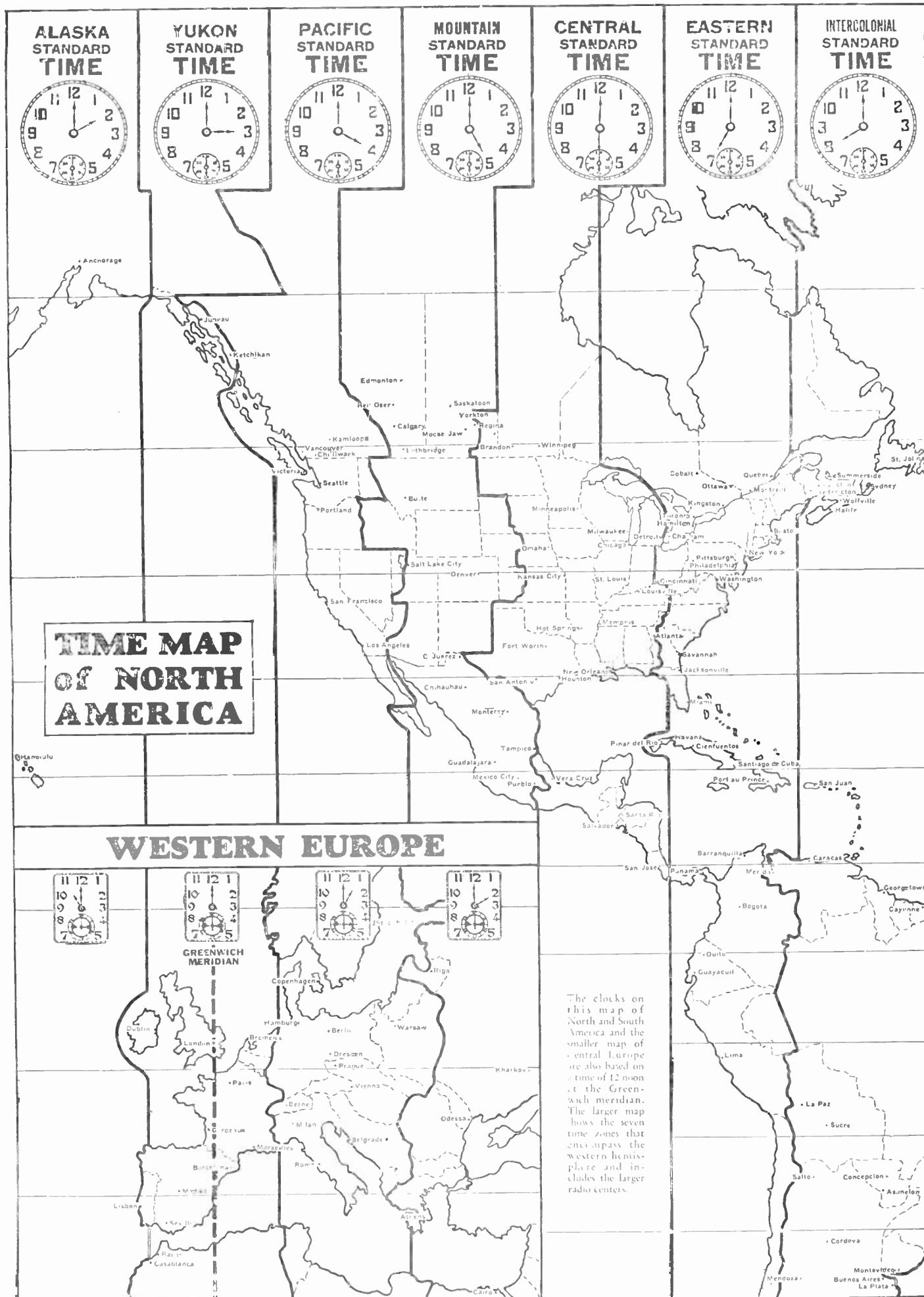
One of the most romantic pairs of the silver screen, Joan Crawford and Franchot Tone, are seen on the right. Below is the popular comedy team of Mary Boland and Charles Ruggles, who have pleased the screen fans for so long.



HELEN HAYES



IRENE RICH





# AND LORE LP YOU DIALING EASY

KILOCYCLE, ALPHABETICAL, SECTIONAL

double page, is principally for reference, and the four-page alphabetical list, following, gives complete station information, enabling the listener to secure identification when hearing only the call announced.

## MAKES STATION IDENTIFICATION FAST AND SIMPLE

a power of from 5,000 to 50,000 watts. These are the highest class stations. The lowest class stations intended for a service limited to the community in which they are located, are called local stations, and they are generally given a power of 100 watts. This power does not carry far, thus these local stations can be located in close proximity. Six channels are set aside for these stations, known as local station channels, are printed below. Included also, is channel 100, which is a cleared channel in the United States, but used by Mexico for small stations. The remaining channels are allotted to regional stations—medium power stations intended to serve a certain region, and there are generally upwards of five of these in a channel. Power or size of the station is indicated by the size of the type used, but the nature of each channel is printed, including the channels set aside for Canada. Power of each station is given in the figure following the call and location. Channels based on kilocycles, are the only values used on these pages; meters are long since obsolete and channel numbers (kilocycle numbers with the final cipher dropped) have the merit of brevity and are in universal use. Stations starting time are hyphenated.

### Stations—List Continued From Rapid Station Finder

CALL	(Location)	POWER	CALL	(Location)	POWER	CALL	(Location)	POWER
WBOW	Terre Haute, Ind.	100	WDAS	Philadelphia, Pa.	100	WHDL	Tupper Lake, N.Y.	100
WBRE	Wilkes-Barre, Pa.	100	WGL	Fort Wayne, Ind.	100	WJRN	Baton Rouge, La.	100
WCLS	Joliet, Ill.	100	WGLC	Hudson Falls, N.Y.	100	WJMS	Ironwood, Mich.	100
WEBR	Buffalo, N.Y.	100	WHBD	Mount Orab, Ohio	100	WLAP	Lexington, Ky.	100
WEWL	Royal Oak, Mich.	50	WHBQ	Memphis, Tenn.	100	WLBF	Kansas City, Kan.	100
WFDF	Flint, Mich.	100	WHDF	Calumet, Mich.	100	WLEU	Erie, Penna.	100
WGHN	Newport News, Va.	100	WHET	Dathan, Ala.	100	WMAS	Springfield, Mass.	100
WLNI	Laconia, N.H.	100	WIRN	Jackson, Miss.	100	WMBC	Detroit, Mich.	100
WMBO	Auburn, N.Y.	100	WJTL	Atlanta, Ga.	100	WMBH	Joplin, Mo.	100
WNBN	N. Bedford, Mass.	100	WLEY	Lexington, Mass.	100	WNRA	Muscle Shoals, Ala.	100
WOL	Washington, D.C.	100	WMRR	Jacksonville, Fla.	100	WPAD	Paducah, Ky.	100
WROL	Knoxville, Tenn.	100	WPFB	Hattiesburg, Miss.	100	WSPA	Spartansburg, S.C.	100
WSAJ	Grove City, Penna.	100	WSDM	St. Albans, Vt.	100	WBTQ	Cumberland, Md.	100
WSGN	Birmingham, Ala.	100	WRAK	Willsport, Pa.	100	CHANNEL 150		
WSJS	Winston-Salem, N.C.	100	WRDO	Augusta, Maine	100	KGFI	Corpus Christi, Tex.	100
WTJS	Jackson, Tenn.	100	WRIN	Racine, Wis.	100	KFIC	Minneapolis, Minn.	100
XECD	Mexico City, Mex.	10	WSVS	Buffalo, N.Y.	100	KGKB	Tyler, Texas	100
XEFB	Monterrey, Mexico	100	XECD	Guadalajara, Mexico	100	KGKY	Scottsbluff, Neb.	100
XEFM	Tampico, Mexico	70	XEFV	Juarez, Mexico	100	KOTN	Pine Bluff, Ark.	100
XEI	Morelia, Mexico	125	HRB	Tigre, Argentina	2300	KXO	El Centro, Cal.	100
CHANNEL 137			CHANNEL 142			KDME	Durham, N.C.	100
CHPR	St. John, N.B.	100	KARC	San Antonio, Tex.	100	WHEF	Kosciusko, Miss.	100
KERN	Bakersfield, Calif.	100	KCMC	Texarkana, Ark.	100	KWBU	Richmond, Ind.	100
KFJO	B-Jone, Ia.	100	KFIZ	Fond du Lac, Wis.	100	KWCB	Wichita, Kan.	100
KFJM	Grand Forks, N.D.	100	KGFF	Shawnee, Okla.	100	KZBZ	Ludington, Mich.	100
KFJZ	Fort Worth, Texas	100	KGIX	Las Vegas, Nevada	100	KZEU	La Grange, Ga.	100
KGAR	Ircs n. A.I.	100	KICK	Zarter Lake, Iowa	100	WMEY	Chester, Mass.	100
KGKL	San Angelo, Tex.	100	KORE	Eugene, Ore.	100	WNBF	Binghamton, N.Y.	100
KLUF	Galveston, Texas	100	KUMA	Yuma, Arizona	100	WMP	Bristol, Tenn.	100
KOOS	Marshallfield, Oregon	100	WAGM	Presque Isle, Me.	100	WRDW	Augusta, Ga.	100
KRE	Berkeley, Calif.	100	WAMC	Annniston, Ala.	100	WRDO	Dothan, Ga.	100
KIJU	Vial a W.J., W. sh. J.	100	WEED	Rocky Mt., N.C.	100	WSYB	Rutland, Vermont	100
KWKC	Kansas City, Mo.	100	WEIL	Bittle Creek, Mich.	50	WWSW	Pittsburgh, Pa.	100
KWYO	Sheridan, Wyoming	100	WENC	Albany, Ga.	100	WWNC	Albany, Ga.	100
WCBM	Baltimore, Md.	100	WWSS					

## America in These (Sectional) Pages:

countries, by states or provinces and numerically by cities. The number of stations in each country and state is indicated by the figures in parenthesis.

City	Call	Channel	City	Call	Channel	City	Call	Channel	
Eugene	KORE	132	Philadelphia	WLIT	140	Pierre	KGFX	63	
Kenneth Falls	KFJI	121	WIP	61	Rapid City	WCAT	120		
Marshallfield	KOOS	137	WPEN	92	Sioux Falls	KSDO	111		
Medford	KMED	131	KYW	102	Vermillion	KUSD	89		
Portland	KGW	62	WRAX	102	Watertown	KWTN	121		
KOIN	94	WCAU	117	WYAT	131	Yankton	WNAX	57	
KWJJ	106	WTEL	131	South Car. (4)					
KEX	118	WDAS	137	Charleston	WOSC	136			
KFJR	130	Pittsburgh	KGKA	98	Columbia	WIS	105		
KALE	140	WCAE	122	Greenville	WFBS	120			
KBPS	142	WIAS	129	Spartanburg	WSPA	142			
KXL	142	KQV	138	Texas (32)					
Por. Rico (2)		WWSS	150	Reading	WEEU	83			
San Juan	WKAQ	124	WRRAW	131	Amarillo	KGRS	141		
WHEL	129	WGEI	138	WDOA	141	Bristol	WOPI	150	
Penna. (50)		WQAN	143	Austin	KNOW	150	Chattanooga	WOOD	128
Allentown	WIZN	111	WPMO	143	Beaumont	KFCM	56		
WSAN	134	WQAN	143	Brownsville	KWVG	126	Jackson	WTJS	131
Altoona	WFBC	131	WPMO	143	Knoxville	WNOX	56		
Erie	WLBW	126	WBRE	131	Corpus Christi	KCFI	150		
WLEU	142	WBAX	131	Dallas	WFFA	80			
Gleniside	WIBG	97	Williamsport	WRAX	137	KRLD	104		
Grove City	WSAJ	131	WYAT	131	WAF	128			
Harrisburgh	WKWD	120	WYAT	131	Doblin	KPFL	131		
WBAK	143	WYAT	131	El Paso	KTSM	131			
WHP	143	WYAT	131	Fort Worth	WBAP	80			
Hazeltown	WAZL	142	WYAT	131	WYAT	131			
Johnstown	WJAC	131	WYAT	131	WYAT	131			
Lancaster	WKJC	170	WYAT	131	WYAT	131			
WEAL	131	WYAT	131	WYAT	131	WYAT	131		
Philadelphia	WIFI	56	Provost	WEAN	78	WYAT	131	WYAT	131
Rhode Isl. (3)		WJAR	89	WYAT	131	WYAT	131	WYAT	131
Providence	WEAN	78	WYAT	131	WYAT	131	WYAT	131	
South Dak. (3)		WEAT	63	WYAT	131	WYAT	131	WYAT	131
Brookings	WFDY	55	WYAT	131	WYAT	131	WYAT	131	
Sioux City	KGUY	134	WYAT	131	WYAT	131	WYAT	131	

CITY CALL CHANNEL

Utah (3)

Ogden, KLO ..... 140

Salt Lake City, KSL ..... 113

KDYL ..... 129

Virginia (11)

Charlottesville, WEHC ..... 135

Danville, WBTM ..... 137

Lynchburg, WLVA ..... 137

Newport News, WHG ..... 131

Norfolk, WTAR ..... 78

Petersburg, WPHR ..... 120

Richmond, WRVA ..... 111

WBBL ..... 121

WMBG ..... 121

Roanoke, WOBJ ..... 93

WRBX ..... 141

Wash. (22)

Aberdeen, KXRO ..... 131

Bellingham, KVOS ..... 120

Everett, KFBL ..... 137

Olympia, KGY ..... 121

Pullman, KWSC ..... 122

Seattle, KPCB ..... 65

KXA ..... 76

KOMO ..... 92

KRSC ..... 112

KTW ..... 122

KOL ..... 127

KVL ..... 137

Spokane, KHQ ..... 59

KFIO ..... 112

KFPY ..... 89

KGA ..... 147

Tacoma, KVI ..... 57

KMO ..... 133

KPFI ..... 121

KWAP ..... 150

Walla Walla, KUJ ..... 137

Wenatchee, KPK ..... 150

Yakima, KIT ..... 131

West Va. (5)

Bluefield, WGIS ..... 141

Charleston, WHS ..... 58

Fairmont, WMHM ..... 89

Huntington, WSAZ ..... 119

Wheeling, WWVA ..... 116

Wisconsin (16)

Eau Claire, WTAQ ..... 133

Fun da Lac, KFIZ ..... 142

Green Bay, WHBY ..... 120

Janesville, WCLO ..... 120

LaCrosse, WKBL ..... 138

Madison, WKA ..... 94

WIBA ..... 128

WIM ..... 60

WIS ..... 121

WIX ..... 121

WKE ..... 121

WMEY ..... 100

WNBF ..... 100

WMB ..... 100

WMC ..... 100

WMD ..... 100

WME ..... 100

WMI ..... 100

WMO ..... 100

WMP ..... 100

WMS ..... 100

WMT ..... 100

WNU ..... 100

WVB ..... 100

WYK ..... 100



<b>100</b>	U. S. Cleared Channel	<b>110</b>	U. S. Cleared Channel	<b>120</b>	U. S. Local Channel	<b>130</b>	U. S. Regional Chan.	<b>140</b>	U. S. Regional Chan.
<b>WOC-WHO</b> DES MOINES, 50,000		<b>WLWL-WPG</b> New York—5,000—Atlantic City		<b>WBHS-WFBC</b> Huntsville..(100)...Greenville, S. C. WJBC-WJBL La Salle, Ill...Decatur III.		<b>WOQ-KFH</b> Kansas City..(1000)...Wichita		<b>KLO</b> Ogden, Utah, 500	
WORK—York, Pa. ....1,000 KFVD—Los Angeles .....250		CRCV—Vancouver, B. C....1000 KGDM—Stockton, Cal. ....250	XEGF-XEWW-XEA Mex. C., Veracruz, 250, Gaud. 125	WWA—(100)...Decatur III. WWAF—WFAM Hammond, Ind...100...So. Bend		WLOD—Miami, Fla.....1000 KFJN—(Portland, 500)...KALE WBBR-WFAR-WEVN-WIAT		WBBC-WLTH-WVFW-WARD Brooklyn, 500	
<b>101</b>	U. S.-Canada Shared	<b>111</b>	U. S. Cleared Channel	WKBO-WKJC Harrisburg..(100)...Lancaster		New York, 1000, 500 Troy 500 CMKJ—Guantanamo, Cuba.....20		<b>WKBF-WBAA</b> Indianapolis...(500)...Lafayette	
<b>KQW</b> San Jose, Calif., 500		<b>WRVA</b> RICHMOND, 5000	WBNO..(N. Orleans, 100)...WJBW	HIZ—Santo Domingo, D. R.....10		KTUL—Tulsa, Oklahoma .....250			
CKWX..(Vancouver, 100)...CKCD WHN—New York, N. Y. ....250		CMJO—Ciego de Avila, Cuba....15							
XEJ—Ciudad Juarez, Mexico ..250		KS00—Sioux Falls, S. D. ....2,500							
<b>102</b>	U. S. Cleared Channel	<b>112</b>	U. S.-Canada Shared						
<b>KYW</b> PHILADELPHIA, 10,000		<b>CKOC</b> Hamilton, Ont., 500							
XES—Tampico, Mexico .....250		WTAW—College Sta., Texas ..500							
<b>103</b>	Canadian Channel	<b>113</b>	U. S. Cleared Channel	WDEL—Wilmington, Del. ....250					
<b>CFCN</b> Calgary, 10,000		<b>KSL</b> SALT LAKE CITY, 50,000							
XEB Mexico City, 10,000		WJJD—Mooseheart, Ill. ....20,000							
CFNB—Fredericton, N. B. ....500		WOW—New York .....1,000							
CKNC—Santiago de Cuba....150		XEH—Monterrey, Mex. ....250							
CKNC—Toronto, Ont. ....100		CMHJ—Cienfuegos, Cuba .....40							
CMHI—Santa Clara, Cuba ...30									
<b>104</b>	U. S. Cleared Channel	<b>114</b>	U. S. Cleared Channel						
<b>KTHS-KRLD</b> Hot Springs—10,000—Dallas		<b>WAPI-KVOO</b> Birmingham, 5,000; Tulsa, 25,000							
WESG—Elmira, N. Y. ....1000		CMBW—Havana, Cuba .....600							
WKAR—E. Lansing, Mich. ....1000		CMCD—Havana, Cuba .....250							
CMGH—Matanzas, Cuba.....15									
<b>105</b>	U. S. Cleared Channel	<b>115</b>	U. S. Cleared Channel						
<b>KNX</b> LOS ANGELES, 50,000		<b>WHAM</b> ROCHESTER, 50,000							
KFBI—Abilene, Kansas .....5000		XED—Guadalajara, Mexico....500							
WIS—Columbia, S. C. ....5000		CMHJ—Ciego de Avila, Cuba ...30							
SPB—Albion, Penn. ....5000									
ZPC—Port Huron, Mich. ....5000									
CKUE—Kingsport, Tenn. ....5000									
CKUE—Kingsport, Tenn. ....5000									
<b>106</b>	U. S. Cleared Channel	<b>116</b>	U. S. Cleared Channel						
<b>WBAL-WTIC</b> BALTIMORE, 10,000 and HARTFORD, 50,000		<b>WWVA-WOWO</b> WHEELING, 5,000 and FORT WAYNE, 10,000							
WJAG—Norfolk, Nebr. ....1,000		CMJE—Camaguey, Cuba .....50							
WJWJ—Portland, Ore. ....500									
<b>107</b>	U. S. Cleared Channel	<b>117</b>	U. S. Cleared Channel						
<b>WTAM</b> CLEVELAND, 50,000		<b>WCAU</b> PHILADELPHIA, 50,000							
CMBG—(Havana, 225)...CMCB		CMJE—Camaguey, Cuba .....50							
KJBS—San Francisco....100									
WDZ—Tuscola, Ill. ....100									
WCAC—Carthage, Ill. ....100									
<b>108</b>	U. S. Cleared Channel	<b>118</b>	U. S. Cleared Channel						
<b>WBT</b> CHARLOTTE, N. C., 50,000		<b>KEX-KOB</b> Portl'nd, 5000; Alb'a'rque, 10,000							
WCBD-WMBI Zion, Ill....(500)...Chicago		WDGY—Minneapolis....1000							
WJAS—Pittsburgh.....1000		WINS—New York.....500							
WEBC—Superior.....1000		WMAZ—Macon, Ga.....500							
WTIC—San Jose, Costa Rica ..30		WIRC—San Jose, Costa Rica ..30							
<b>109</b>	U. S. Cleared Channel	<b>119</b>	U. S. Cleared Channel						
<b>KMOX</b> ST. LOUIS, 50,000		<b>WOAI</b> SAN ANTONIO, 50,000							
XEAI—Mexico City, Mex ...100		WSAZ—Hunt'gton, W. Va. ....1,000							
VOKW—St. Johns, Newf'l'd...30		WATR—Waterbury, Conn. ....100							
CMCB—(Havana, 150)...CMBN		CMCJ—(Havana, 50)...CMBN							
HJL—Santo Domingo, D. R. ....15		HJL—Santo Domingo, D. R. ....15							
<b>120</b>	U. S. Local Channel	<b>121</b>	U. S. Local Channel						
WBHS-WFBC Huntsville..(100)...Greenville, S. C. WJBC-WJBL La Salle, Ill...Decatur III.		WCRW-WEDC-WSBC Chicago, 100							
WWA—(100)...Decatur III. WWAF—WFAM Hammond, Ind...100...So. Bend		KFVS-WEBQ Cape Girardeau...(100)...Harrisburg							
WKBO-WKJC Harrisburg..(100)...Lancaster		WBAX-WKOK Wilkes Barre...(100)...Sunbury							
WBNO..(N. Orleans, 100)...WJBW		WCBS—(Springfield, 100)...WTAX							
		KFXM-KPPC San Bernardino, 100; Pasadena, 50							
<b>122</b>	U. S. Regional Chan.	<b>123</b>	U. S. Regional Chan.						
WREN-KFKU 1000...(Law'rnce)....500		<b>KYA</b> San Francisco, 1000							
WDAE—Tampa, Fla.....1000		WNAC—Boston.....1000							
WCAE—Pittsburgh.....1000		WFBM—WSBT Indianapolis, 1000; So. Bend, 500							
KWSC—KTW Pullman, Wash...(1000)...Seattle		CMQC—Saskatoon, Sask.....500							
WCAD—Canton, N. Y. ....500		CMHK-CMCA-CMBY Cruces, 15 and Havana, 150, 350							
		KGGM—Albuquerque, N. M....250							
		CMJI—Ciego de Avila, Cuba....45							
<b>124</b>	U. S. Regional Chan.	<b>125</b>	U. S. Regional Chan.						
KTAT—Fort Worth.....1000		<b>WNEW-WGCC</b> Newark, 1000							
WXYZ—Detroit.....1000		KFOX—Long Beach....1,000							
WKAQ—San Juan, P.R....1000		WDSU—New Orleans....1000							
KTFI—Twin Falls, Idaho....500		WLB—WRHM—WCA Minneapolis...(1000)...North'l'd							
KLPM—Minot, N. D....250		CMAB—Pinar del Rio.....20							
KGCU—Mandan, N. D....250									
CMGU—Camaguey, Cuba.....50									
<b>126</b>	U. S. Regional Chan.	<b>127</b>	U. S. Cleared Channel						
KVOA—Tucson....500		<b>KOL</b> Seattle, 1000							
WBWB—Erie....500		WOOD—(Gr. Rapids, 500)...WASH							
KUOA—Fayetteville....1000		KWLC—(Dec'ral, Ia., 100)...KGCA							
KOIL—Council Bluffs....1000		CMBC—(Havana, 150)...CMCP							
WTOC—Savannah, Ga....1000		KVOR—Colo. Springs....1000							
KWWG—Brownsville, Texas....500		WJDX—Jackson, Miss....1000							
KKGV—Weslaco, Texas....500		WFBR—Baltimore, Md.....500							
WBNX—Springfield, Vt....500									
CMJP—Moron, Cuba.....75									
<b>128</b>	U. S. Regional Chan.	<b>129</b>	U. S. Regional Chan.						
WDOD—Chattanooga, 1000		<b>KDYL</b> Salt Lake, 1000							
KFBB—Great Falls.....1000		WJAS—Pittsburgh.....1000							
WRR—Dallas, Texas .....500		WEBC—Superior.....1000							
WIBA—Madison, Wis. ....500		WTSC—(Milwaukee, 100)...KOMA							
WCAM—WPAC—WTNJ Camden, Asbury Pk., Trenton, 500		CMCJ-CMGE Camaguey, 150; Cardenas, 30							
WORC—Worcester, Mass. ....500		CMCN—(Havana, 250)...CMCR							
		XETB—Torreon, Mexico.....125							
<b>130</b>	U. S. Regional Chan.	<b>131</b>	U. S. Local Channel						
WOQ-KFH Kansas City..(1000)...Wichita		<b>WJAC-WFBG</b> Johnstown...(100)...Altoona							
WLOD—Miami, Fla.....1000		WRAW-WGAL Reading, Pa...(100)...Lancaster							
KFJN—(Portland, 500)...KALE		WTRC-WLBC Elkhart, 50; Muncie, Ind, 100							
WBBR-WFAR-WEVN-WIAT		KTSM—(El Paso, 100)...WDAH							
New York, 1000, 500 Troy 500		WHAT—(Phil'd'phiia, 100)...WTEL							
CMKJ—Guantanamo, Cuba.....20									
HIZ—Santo Domingo, D. R.....10									
<b>132</b>	U. S. Cleared Channel	<b>133</b>	U. S. Regional Chan.						
<b>WADC</b> Akron, Ohio, 1000		<b>KSCJ-WTAQ</b> Sioux City...(1000)...Eau Claire							
WSMB—New Orleans, La. ....500		WDR—Hartford.....1000							
CMCY—Havana, Cuba .....500		WSAI—Cincinnati.....1000							
KGHP—Pueblo, Colo. ....500		KGB—San Diego.....1000							
KMGP—Honolulu.....250		TITR—San Jose, Costa Rica....75							
KID—Idaho Falls, Id....250		KMO—Tacoma, Wash.....250							
TGW—Guatemala, Guat....250									
KSO—Des Moines, Iowa .....250									
<b>134</b>	U. S. Regional Chan.	<b>135</b>	U. S. Regional Chan.						
<b>WSPD</b> Toledo, Ohio, 1000		<b>KYA</b> San Francisco, 1000							
KGIR—Butte, Mont.....500		WNAC—Boston.....1000							
WCDA—Pensacola, Fla. ....500		WFBM—WSBT Indianapolis, 1000; So. Bend							
KGDY—Huron, S. D. ....250		CMHK—CMCA-CMBY Cruces, 15 and Havana, 150, 350							
KGNO—Dodge City, Kans....250		KGGM—Albuquerque, N. M....250							
CMJI—Ciego de Avila, Cuba....45		CMGU—Moron, Cuba.....75							
<b>136</b>	U. S. Regional Chan.	<b>137</b>	U. S. Regional Chan.						
<b>KGER</b> Long Beach, Calif., 1000		<b>KWBH</b> LaCrosse, 1000							
WFBF—Syracuse.....1000		WSMK-QKV Dayton, 200; Pittsburgh, 500							
WCSC—Charleston, S. C. ....500		KOH—Reno .....500							
WGES—Chicago, Ill. ....500		CMCJ-CMGE Camaguey, 150; Cardenas, 30							
WQBC—Vicksburg, Miss. ....500		CMCN—(Havana, 250)...CMCR							
CMJP—Moron, Cuba.....75		XETB—Torreon, Mexico.....125							
<b>138</b>	U. S. Regional Chan.	<b>139</b>	U. S. Regional Chan.						
<b>WKBH</b> LaCrosse, 1000		<b>KRLA</b> Little Rock, 1000							
WSMK-QKV Dayton, 200; Pittsburgh, 500		WHR—Cleveland, 1000							
KOH—Reno .....500		WKOY—Phoenix, Ariz., 500							
CMCJ-CMGE Camaguey, 150; Cardenas, 30		CMCN—Middlechurch, Man. ....100							
CMCR—(Havana, 250)...CMCR		CMBK—Havana, Cuba.....100							
XETB—Torreon, Mexico.....125									
<b>140</b>	U. S. Regional Chan.	<b>141</b>	U. S.-Canada Shared						
<b>KLO</b> Ogden, Utah, 500		<b>KGRS</b> —(Amarillo, 1000)...WDAG							
WBBC-WLTH-WVFW-WARD Brooklyn, 500		WAAB—Boston.....1000							
WKBF-WBAA Indianapolis...(500)...Lafayette		WBC—Bay City, Mich. ....500							
WMBL-WROK Burbank, W. H. 1500; Westbury, N. Y. 1500		WHD—WFAA—WFO—WOKNS Winnipeg, Man. ....500; Red Deer, Alta. ....500; Lethbridge, Alta. ....500							
WMBL-WRDX Winnipeg, Man. ....500; Red Deer, Alta. ....500; Lethbridge, Alta. ....500									
WMBL-WTAD Peoria, Ill. ....(500)...Quincy, Ill.									
KLS—Oakland, Calif. ....250									
KXYZ—Houston, Texas .....250									
TIFS—Cartago, Costa Rica.....8									
<b>142</b>	U. S. Local Channel	<b>143</b>	U. S. Regional Chan.						
<b>WEHS-WKBI-WHFC</b> Chicago, 100		<b>Keca</b> Los Angeles, 1000							
KXL—(Portland, 100)...KWBPS		KGNF—North Platte, Nebr. ....500							
WAZL-WILM Hazleton, Pa. ....(100)...Wilmingt		WNBR—Memphis, Tenn. ....500							
KGHC—Kidron, Okla. ....250		KWCR—Cedar Rapids, Iowa .....250							
WHP—WBKA-WBNS Waco, Tex. ....(500)...Waco, Tex. ....500		WMBD-WTAD Peoria, Ill. ....(500)...Quincy, Ill.							
WMBL-WTAD Peoria, Ill. ....(500)...Quincy, Ill.		KLS—Oakland, Calif. ....250							
KXYZ—Houston, Texas .....250		KXYZ—Houston, Texas .....250							
TIFS—Cartago, Costa Rica.....8		TIFS—Cartago, Costa Rica.....8							
<b>144</b>	U. S. Regional Chan.								

CALL (City, Owner, Power) CHANNEL

CFAC	Calgary, Alta. (100) The Calgary Heraul	93
CFBO	St. John, N. B. (100) C. A. Munro, Ltd.	121
CFCF	Montreal, Que. (500) Canadian Marcon Co.	60
CFCH	North Bay, Ont. (100) Northern Supplies, Ltd.	93
CFCN	Calgary, Alta. (10,000) W. W. Grant & H. G. Love	103
CFCO	Chatham, Ont. (50) John Beardall	60
CFCT	Victoria, B. C. (50) Victoria Broadcasting Assn.	145
CFCY	Charlottetown, PEI (500) Island Radio Brdg. Co.	63
CFJC	Kamloops, B. C. (100) Review Publishing Co., Ltd.	131
CFLC	Prescott, Ont. (100) Radio Asso. of Prescott	93
CFNB	Fredericton, N. B. (500) James S. Neill & Sons, Ltd.	103
CFPL	London, Ont. (100) London Free Press	73
CFQC	Saskatoon, Sask. (500) The Electric Shop, Ltd.	123
CFRB	Toronto, Ont. (10,000) Rogers-Majestic Corp., Ltd.	69
CFRC	Kingston, Ont. (100) Queen's University	151
CFTP	Edmonton, Alta. (100) Taylor & Pearson, Ltd	112
CHAB	Moose Jaw, Sask. (100) Moose Jaw Radio Asso.	120
CHCK	Charlottetown, PEI (50) W. E. Burke and J. A. Gesner	131
CHCS	Somerside, PEI (50) R. T. Hulman, Ltd.	112
CHLP	Montreal, Que. (100) La Patrie Pub. Co., Ltd.	112
CHML	Hamilton, Ont. (50) Maple Leaf Radio Co., Ltd.	101
CHNC	New Carlisle, Que. (100) Dr. Charles Houde	121
CHNS	Halifax, N. S. (500) Maritime Broadcasting Co.	105
CHPR	St. John, N. B. (100) H. P. Robinson	137
CHRC	Quebec, Que. (100) CHRC, Limited	93
CHWC	Regina, Sask. (500) R. H. Williams & Sons, Ltd.	101
CHWK	Chilliwack, B. C. (100) Chilliwack, B. C.	78
EJAT	Trail, B. C. (50) Trail Amateur Radio Ass'n	120
CJCA	Edmonton, Alta. (1000) The Edmonton Journal, Ltd.	73
CJCB	Sydney, N. S. (50) N. Nathanson	88
CJCJ	Calgary, Alta. (100) The Alberta Pub. Co., Ltd.	69
CJCS	Sudbury, Ont. (500) Geo. McLeod Coates	78
CJGX	Yorkton, Sask. (500) The Winnipeg Grain Ex	63
CJKL	Kirkland Lake, Ont. (100) O. J. Thorpe & Branchaud	131
CJLS	Yarmouth, N. S. (100) Laurie & Smith	131
CJOC	Lethbridge, Alta. (100) Harold R. Carson	84
CJOR	Vancouver, B. C. (500) G. C. Chandler	60
CJRC	Middleb'ch, Man. (100) Jas. Richardson & Sons	139
CJRM	Moose Jaw, Sask. (1000) C. Richardson & Sons Ltd.	54
CKAC	Montreal, Que. (5000) LaPresse Pub. Co., Ltd.	72
CKBI	Prince Albert, Sask. (100) Prince Albert Radio Club	121
CKCD	Vancouver, B. C. (100) Vancouver Daily Province	101
CKCH	Hull, Que. (100) Dr. J. L. Chabot	121
CKCK	Regina, Sask. (500) Star-Post, Limited	101
CKCL	Toronto, Ont. (100) I. Dominion Battery Co.	58
CKCO	Ottawa, Ont. (100) Dr. G. M. Geldert	101
CKCR	Kitchener, Ont. (100) Mitchell and Liddle	151
CKCV	Quebec, Que. (50) Vandy, Inc.	131
CKFC	Vancouver, B. C. (50) United Church of Canada	141
CKCB	Timmins, Ont. (100) R. H. Thompson	142
CKIC	Yellowknife, N. S. (50) Acadia University	101
CKLW	Windsor, Ont. (5000) Western Ontario Brd. Co.	84
CKMC	Cobalt, Ont. (50) R. L. MacAdam	121
CKMO	Vancouver, B. C. (100) Sprott-Shaw Radio Co.	141

## PAGE [ 18 ] — Radio Log and Lore —

JUNE

## ALPHABETICAL CALL LIST

CALL	(City, Owner, Power)	CHANNEL
CKNC	Toronto, Ont. (100) Canadian Nat'l. Carbon Co.	103
CKOC	Hamilton, Ont. (500) Wentworth Brd. Co. Ltd.	112
CKOV	Kelowna, B. C. (50) J. W. B. Browne	121
CKPC	Brantford, Ont. (100) Cyrus Dolph	93
CKPR	Fort William, Ont. (50) Douglas Motor Car Co. Ltd.	78
CKTB	St. Catharines, Ont. (100) E. T. Sandell	120
CKUA	Edmonton, Alta. (500) University of Alberta	58
CKWX	Vancouver, B. C. (100) Western Broadcasting Co.	101
CKX	Brandon, Man. (500) Manitoba Telephone System	145
CKY	Winnipeg, Man. (5000) Manitoba Tele. System	91
CMAB	Pinar del Rio, Cuba (20) José Silvera	125
CMAC	Havana, Cuba (1000) Int. Broadcasting Co.	68
CMBC	Havana, Cuba (150) Domingo Fernandez Cruz	127
CMBD	Havana, Cuba (250) Luis Perez Garcia	97
CMBC	Havana, Cuba (25) John Stowar	107
CMBJ	Havana, Cuba (150) Emilio Perera	114
CMBK	Havana, Cuba (15) Alberto Alvarez	148
CMBL	Havana, Cuba (200) Julio C. Hidalgo	145
CMBN	Havana, Cuba (150) G. de Souza	119
CMBR	Havana, Cuba (40) Tomas Basail	149
CMBS	Havana, Cuba (200) Enrique Artalejo	78
CMBV	Havana, Cuba (600) Alvarez-Moris	150
CMBY	Havana, Cuba (250) Guillermo Estefan	123
CMBZ	Havana, Cuba (150) Manuel y Guillermo Salas	101
CMC	Havana, Cuba (500) Radio Corp. of Cuba	84
CMCA	Havana, Cuba (150) Manuel Cruz	123
CMCB	Havana, Cuba (150) Antonio Capablanca	107
CMCD	Havana, Cuba (250) Angel Beremata	114
CMCF	Havana, Cuba (250) Raoul Kurman	89
CMCH	Havana, Cuba (50) Vicente Fontanals	141
CMCJ	Havana, Cuba (400) Rafael Rodriguez	119
CMCM	Havana, Cuba (15) Aurelio Balino	141
CMCI	Havana, Cuba (250) Antonio Ginard	138
CMCP	Havana, Cuba (150) Jose A. Yaniz	127
CMCQ	Havana, Cuba (1000) Andrez Martinez	78
CMCR	Havana, Cuba (150) Aurcio Hernandez	138
CMCU	Havana, Cuba (500) Jorge Garcia Serra	63
CMCW	Havana, Cuba (150) Vilarino y Cervantes	97
CMCY	Havana, Cuba (500) M. D. Autran	132
CMDE	Havana, Cuba (150) Radio Aerial, Ad.	93
CMCA	Cov., (100) Leopoldo V. Figueroa	83
CMCB	Matanzas, Cuba (30) Jose Anorga	121
CMCC	Matanzas, Cuba (30) Oscar S. Merhins	82
CMCE	Cardenas, Cuba (30) Genaro Sabater	138
CMCF	Matanzas, Cuba (100) Bernabe R. de la Torre	99
CMCH	Matanzas, Cuba (15) Octavio J. Alvarez	104
CMHD	Caibarien, Cuba (250) Manuel Alvarez	95
CMHI	Santa Clara, Cuba (250) Laviz y Paz	103
CMHJ	Cienfuegos, Cuba (60) Victorino Lopez	113

CALL (City, Owner, Power) CHANNEL

KERN	Bakersfield, Calif. (100) Bee Bakersfield Brd. Co.	137
KEX	Portland, Ore. (5000) The Oregonian Pub. Co.	118
KFAB	Lincoln, Neb. (25,000) KFAB Broadcasting Co.	77
KFAC	Los Angeles, Cal. (1000) Los Angeles Brd. Co.	130
KFBB	Great Falls, Mont. (1000) Buttrey Broadcast, Inc.	128
KFBI	Abilene, Kansas (5000) Farmers & Bankers Life Ins.	105
KFBK	Sacramento, Calif. (100) James McClatchy Co.	131
KFBL	Everett, Wash. (50) Leese Bros.	137
KFDM	Beaumont, Texas (500) Sabine Brd. Co., Inc.	56
KFDY	Brookings, S. D. (1000) South Dakota State Col.	55
KFEL	Denver, Colo. (500) Eugen P. O'Fallon, Inc.	92
KFEQ	St. Joseph, Mo. (2500) Scroggin & Co. Bank	68
KFCQ	Boone, Iowa (100) Boone Biblical College	137
KFH	Witichi, Kan. (1000) Radio Station KFH Co.	130
KFI	Los Angeles (50,000) Earl C. Anthony, Inc.	64
KFIO	Spokane, Wash. (100) Spokane Brd. Corp.	112
KFIZ	Fond du Lac, Wis. (100) The Reporter Printing Co.	142
KFJB	Marshalltown, Iowa (100) Marshall Electric Co., Inc.	120
KFJI	Klamath Falls, Ore. (100) KFJI Broadcasters, Inc.	121
KFJM	Grand Forks, N.D. (100) University of North Dakota	137
KFJR	Portland, Ore. (500) A. C. Dixon-KFJR Inc.	130
KFNF	Shenandoah, Iowa (500) Henry Field Co.	89
KFOR	Lincoln, Neb. (100) Cornbelt Broadcasting Corp.	121
KFOX	Long Beach, Calif. (1000) Nichols & Warinner, Inc.	125
KFPL	Dublin, Texas (100) C. C. Baxter	131
KFPM	Greenville, Texas (15) The New Furniture Co.	131
KFPW	Fort Smith, Ark. (100) Southwestern Hotel Co.	121
KFQD	Anchorage, Alaska (250) Anchorage Radio Club Inc.	60
KFRC	San Francisco (1000) Don Lee Broadcasting Syst	61
KFRU	Columbia, Mo. (500) KFRU Incorporated	63
KFSD	San Diego, Cal. (1000) Airfar Radio Corp., Ltd.	60
KFSC	Los Angeles, Calif. (500) Echo Park Evang. Assn.	112
KFUO	St. Louis, Mo. (500) Concordia Seminary	55
KFVD	Los Angeles, Calif. (250) Los Angeles Brd. Co.	100
KFVS	Cape Girardeau, Mo. (100) Hirsch Radio and Battery	121
KFWB	Hollywood, Calif. (1000) Warner Bros. Brd. Co.	95
KFXD	Nampa, Idaho (100) Frank E. Hurt	120
KFXF	Denver, Colo. (500) Colo-ado Radio Corp.	92
KFXJ	Gr. Junction, Colo. (100) Western Slope Brd. Co.	120
KFXM	San Bernardino, Cal. (100) J. C. and E. W. Lee	121
KFXR	Oklahoma City (100) Exch. Ave. Baptist Church	131
KFYO	Lubbock, Texas (100) Kirksey Bros.	131
KFYR	Bismarck, N. D. (1000) Meyer Broadcasting Co.	55
KGA	Spokane, Wash. (5000) Louis Wasmer (Lessee)	147
KCAR	Tucson, Ariz. (100) Tucson Motor Service Co.	137
KGBB	San Diego, Calif. (1000) Don Lee Brd. System	133
KGDU	Ketchikan, Alaska (500) Alaska Radio & Service Co.	93
KCRX	Springfield, Mo. (100) KCRX Inc.	121
KCBZ	York, Neb. (500) KCBZ Broadcasting Co.	93
KCCA	Decorah, Iowa (100) Chas. W. Greenley	127

CALL (City, Owner, Power) CHANNEL

KCCU	Mandan, N. D. (250)	124
KCCX	Mandan Radio Assn.	
KCDE	Wolf Point, Mont. (100)	131
KCDE	E. E. Krebsbach	
KCDE	Fergus Falls, Minn. (100)	120
KCDE	Charles L. Jaren	
KCDE	Stockton, Calif. (250)	110
KCDE	E. F. Peffer	
KCDY	Huron, S. D. (250)	134
KCDY	Voice of So. Dakota	
KGEK	Yuma, Colo. (100)	120
KGEK	Elmer G. Beehler	
KGER	Long Beach, Cal. (100)	136
KGER	Cons. Bidestg. Corp., Ltd.	
KGEZ	Kalispell, Mont. (100)	131
KGEZ	Donald C. Treclar	
KGFF	Shawnee, Okla. (100)	142
KGFF	KGFF Broadcasting Co.	
KGFG	Oklahoma City (100)	137
KGFG	Oklahoma Brd. Co. Inc.	
KGFI	Corp. Christi, Tex. (100)	150
KGFI	Eagle Broadcasting Co., Inc.	
KGFJ	Los Angeles, Cal. (100)	120
KGFJ	Ben S. McGlashan	
KCFK	Duluth, Minn. (100)	150
KCFK	Red River Brd. Co., Inc.	
KGFL	Roswell, N. M. (100)	137
KGFL	KGFL Inc.	
KCFW	Kearney, Neb. (100)	131
KCFW	Central Nebraska Brd. Co.	
KCFX	Pierre, S. D. (200)	63
KCFX	Dana McNeil	
KCCC	San Francisco (100)	142
KCCC	Golden Gate Brd. Co.	
KCCF	Coffeyville, Kan. (500)	101
KCCF	Powell & Platz	
KCCN	Albuquerque, N.M. (250)	123
KCCN	New Mexico Brd. Co.	
KCHF	Pueblo, Colo. (500)	132
KCHF	Curtis P. Ritchie	
KCHI	Little Rock, Ark. (100)	120
KCHI	Lloyd Judd Company	
KCHL	Billings, Mont. (100)	95
KCHL	Northwest Auto Sup. Co.	
KCIR	Butte, Mont. (500)	134
KCIR	KCIR, Inc.	
KCIW	Alamosa, Colo. (100)	142
KCIW	Leonard E. Wilson	
KCIX	Las Vegas, Nev. (100)	142
KCIX	J. M. Heaton	
KCKB	Tyler, Texas (100)	150
KCKB	East Tex. Broadcasting Co.	
KCKL	San Angelo, Texas (100)	137
KCKL	KAKL, Inc.	
KCKO	Wichita Falls, Tex. (250)	57
KCKO	Wichita Falls Brd. Co.	
KCKY	Scottsbluff, Neb. (100)	150
KCKY	Hilliard Co., Inc.	
KGMN	Honolulu, T. H. (250)	132
KGMN	Honolulu Brd. Co., Ltd.	
KCNF	North Platte, Neb. (500)	143
KCNF	Great Plains Brd. Co.	
KCNO	Dodge City, Kan. (250)	134
KCNO	Dodge City Brd. Co., Inc.	
KCO	San Francisco (7500)	79
KCO	National Brd. Co., Inc.	
KCRS	Amarillo, Texas (1000)	141
KCRS	Gish Radio Service	
KGU	Honolulu, T. H. (2500)	75
KGU	Marion Miltony Pub. Co.	
KGYO	Missoula, Mont. (100)	120
KGYO	Nusay & Incorporated	
KCW	Portland, Ore. (1000)	62
KCW	Oregonian Publishing Co.	
KCY	Olympia, Wash. (100)	121
KCY	KCY, Incorporated	
KHJ	Los Angeles, Cal. (1000)	90
KHJ	Don Lee Broadcasting Syst.	
KHQ	Spokane, Wash. (1000)	59
KHQ	C. L. Warner, Inc.	
KICA	Clovis, N. M. (100)	137
KICA	Southwest Brd. Co.	
KICK	Carter Lake, Iowa (100)	142
KICK	Red Oak Radio Corp.	
KID	Idaho Falls, Ida. (250)	132
KID	KID Broadcasting Co.	
KIDW	Buise, Idaho (1000)	135
KIDW	Boise Broadcast Station	
KIEM	Lamar, Colo. (100)	142
KIEM	Lamar Broadcasting Co.	
KIEV	Eureka, Cal. (100)	121
KIEV	Harold Hansett	
KIEV	Glendale, Cal. (100)	85
KIEV	Cannon System, Ltd.	
KIFH	Juneau, Alaska (100)	131
KIFH	Juneau Broadcasting Co.	
KIT	Yakima, Wash. (100)	131
KIT	Carl E. Haymond	
KJBS	San Francisco, Cal. (100)	107
KJBS	Julius Brunton & Sons Co.	
KJR	Seattle, Wash. (5000)	97
KJR	Fishers Blend Station, Inc.	
KLCH	Blytheville, Ark. (100)	129
KLCH	Charles Len Lintzenech	
KLO	Onden, Utah (500)	140
KLO	Interstate Brd. Corp.	
KLPM	Minot, N. D. (250)	124
KLPM	John B. Cooley	

## JUNE — Radio Log and Lore — PAGE [19]

## ALPHABETICAL CALL LIST

CALL (City, Owner, Power) CHANNEL

KLRA	Little Rock, Ark. (1000)	139
KLRA	Arkansas Broadcasting Co.	
KLS	Oakland, Calif. (250)	144
KLS	Warner Bros.	
KLUF	Galveston, Tex. (100)	137
KLUF	George Roy Clough	
KLX	Oakland, Cal. (1000)	88
KLX	Tribune Building Co.	
KLZ	Denver, Colo. (1000)	56
KLZ	Haynolds Radio Co., Inc.	
KMAD	Shenandoah, Iowa (500)	93
KMAD	May Seed & Nursery Co.	
KMAC	San Antonio, Tex. (100)	137
KMAC	W. W. McAllister	
KMBC	Kansas City, Mo. (1000)	95
KMBC	Midland Brd. Co. Inc.	
KMED	Medford, Ore. (100)	131
KMED	Mrs. W. J. Virgin	
KMJ	Fresno, Cal. (500)	58
KMJ	James McClatchy Co.	
KMLB	Monroe, La. (100)	120
KMLB	Liner's Brd. Station, Inc.	
KMMJ	Clay Center, Neb. (1000)	74
KMMJ	The M. M. Johnson Co.	
KMO	Tacoma, Wash. (250)	133
KMO	KMO, Inc.	
KMOX	St. Louis, Mo. (50,000)	109
KMOX	Voice of St. Louis, Inc.	
KMPC	Beverly Hills, Cal. (500)	71
KMPC	Beverly Hills Brd. Co.	
KMTR	Los Angeles, Calif. (500)	57
KMTR	KMTR Radio Corp.	
KNOW	Austin, Texas (100)	150
KNOW	Southwest Broadcasting Co.	
KNX	Los Angeles (50,000)	105
KNX	Western Broadcast Co.	
KOA	Denver, Colo. (50,000)	83
KOA	National Brd. Co., Inc.	
KOAC	Corvallis, Ore. (1000)	55
KOAC	Oregon St. Agri. College	
KOB	Albuquerque, NM (10,000)	118
KOB	N. M. College of Agri.	
KOH	Reno, Nevada (500)	138
KOH	The Bee, Inc.	
KOIL	Council Bluffs, Ia. (1000)	126
KOIL	Moia Motor Oil Co.	
KOIN	Portland, Oregon (1000)	94
KOIN	KOIN, Inc.	
KOL	Seattle, Wash. (1000)	127
KOL	Seattle Brd. Co. Inc.	
KOMA	Oklahoma City (5000)	148
KOMA	National Radio Mfg. Co.	
KOMO	Seattle, Wash. (1000)	92
KOMO	Fisher's Blend Station Inc.	
KONO	San Antonio, Texas (100)	137
KONO	Mission Broadcasting Co.	
KOOS	Marshfield, Oregon (100)	137
KOOS	H. H. Hanzth, Inc.	
KORE	Eugene, Oregon (100)	142
KORE	Eugen Broadcast Station	
KOTR	Pine Bluff, Ark. (100)	150
KOTR	Wm. F. Chaplin	
KOY	Phoenix, Arizona (500)	139
KOY	Nielsen Radio Company	
KPCB	Seattle, Wash. (250)	65
KPCB	Queen City Broadcast Co.	
KPJM	Prescott, Arizona (100)	150
KPJM	Scott & Scott	
KPO	San Francisco (50,000)	68
KPO	National Brd. Co., Inc.	
KPOF	Denver, Colo. (500)	88
KPOF	Pillar of Fire, Inc.	
KPPC	Pasadena, Calif. (50)	121
KPPC	Pasadena Pres. Church	
KPQ	Wenatchee, Wash. (100)	150
KPQ	West Coast Brd. Co.	
KPRC	Houston, Texas (1000)	92
KPRC	Houston Printing Co.	
KQV	Pittsburgh, Penna. (500)	138
KQV	KQV Broadcasting Co.	
KQW	San Jose, Calif. (500)	101
KQW	Parific Agri. Foundation	
KRE	Bekeley, Calif. (100)	137
KRE	First Congregat'nal Church	
KREC	Santa Ana, Calif. (100)	150
KREC	Voice of Orange Empire	
KRCV	Weslaco, Texas (500)	126
KRCV	KRCV, Inc.	
KRKD	Los Angeles, Cal. (500)	112
KRKD	Fireside Broadcasting Co.	
KRLD	Dallas, Texas (10,000)	104
KRLD	KRLD Radio Corp.	
KRMF	Shreveport, La. (100)	131
KRMF	Radio Station KRMF, Inc.	
KROW	Oakland, Calif. (500)	93
KROW	National Brd. Co., Inc.	
KRSC	Seattle, Wash. (100)	112
KRSC	Radio Sales Corp.	

CALL (City, Owner, Power) CHANNEL

KSAC	Manhattan, Kan. (500)	58
KSAC	Kansas State Agri. College	
KSCJ	Sioux City, Iowa (1000)	133
KSCJ	Perkins Brus. Co.	
KSD	St. Louis, Mo. (500)	55
KSD	Pulitzer Publishing Co.	
KSEI	Pocatello, Idaho (250)	85
KSEI	Radio Service Corporation	
KSL	Salt Lake, Utah (50,000)	113
KSL	Radio Service Corporation	
KSO	Des Moines, Iowa (250)	132
KSO	Iowa Broadcasting Co.	
KS00	Sioux Falls, S. D. (2500)	111
KS00	Sioux Falls Brd. Assn.	
KSTP	St. Paul, Minn. (10,000)	146
KSTP	National Battery Brd. Co.	
KSUN	Lowell, Arizona (100)	120
KSUN	Copper Electric Co., Inc.	
KTAB	Oakland, Calif. (1000)	56
KTAB	Associated Brd. Inc.	
KTAR	Phoenix, Arizona (500)	62
KTAR	KTAR Broadcasting Co.	
KTAT	Fort Worth, Texas (1000)	124
KTAT	KTAT Broadcast Co., Inc.	
KTBS	Shreveport, La. (1000)	145
KTBS	Tri-State Brd. Co., Inc.	
KTFI	Twin Falls, Idaho (500)	124
KTFI	Radio Broadcasting Corp.	
KTHS	Hot Springs, Ark. (50,000)	104
KTHS	Hot Springs C. of C.	
KTM	Los Angeles, Calif. (500)	78
KTM	Evening Herald Pub. Co.	
KTRB	Modesto, Cal. (250)	74
KTRB	McTammny & Bates	
KTRH	Houston, Tex. (500)	63
KTRH	KTRH Broadcasting Co.	
KTSA	San Antonio, Tex. (1000)	129
KTSA	Southwest Broadcasting Co.	
KTSM	El Paso, Texas (100)	131
KTSM	Tri-State Broadcasting Co.	
KTUL	Tulsa, Okla. (250)	146
KTUL	J. T. Grifin	
KTW	Seattle, Wash. (1000)	122
KTW	First Presbyterian Church	
KUJ	Walla Walla, Wn. (100)	137
KUJ	KUJ, Inc.	
KUMA	Yuma, Arizona (100)	142
KUMA	Albert H. Schermann	
KUOA	Fayetteville, Ark. (1000)	126
KUOA	KUOA, Incorporated	
KUSD	Vermillion, S. D. (500)	89
KUSD	University of South Dakota	
KVI	Tacoma, Wash. (500)	57
KVI	Puget Sound Brd. Co., Inc.	
KVL	Seattle, Wash. (100)	137
KVL	KVL, Inc.	
KVOA	Tucson, Arizona (500)	126
KVOA	Arizona Brd. Co., Inc.	
KVOO	Tulsa, Okla. (25,000)	114
KVOO	Southwestern Sales Corp.	
KVOR	Colorado Springs (1000)	127
KVOR	S. H. Patterson	
KVOS	Bellingham, Wash. (100)	120
KVOS	KVOS, Inc.	
KWCR	Cedar Rapids, Ia. (250)	143
KWCR	Cedar Rapids Brd. Co.	
KWEA	Shreveport, La. (100)	121
KWEA	International Brd. Corp.	
KWFV	S. Hilo, Hawaii (100)	121
KWFV	Hilo Brd. Co., Ltd.	
KWCR	Cedar Rapids, Ia. (250)	143
KWCR	Cedar Rapids Brd. Co.	
KWEE	Shreveport, La. (100)	121
KWEE	International Brd. Corp.	
KWJJ	O. Hand, Oregon (500)	106
KWJJ	KWJJ Brd. Co., Inc.	
KWK	St. Louis, Mo. (1000)	135
KWK	Thomas Patrick, Inc.	
KWKC	Kansas City, Mo. (100)	137
KWKC	Wilson Duncan Brd. Co.	
KWKH	Shreveport, La. (10,000)	85
KWKH	International Brd. Corp.	
KWLC	Decorah, Iowa (100)	127
KWLC	Luther College	
KWSC	Pullman, Wash. (1000)	122
KWSC	State College of Wash.	
KWTN	Watertown, S. D. (100)	121
KWTN	Gr. Kampeska Radio Corp.	
KWTO	Springfield, Mo. (1000)	56
KWTO	KGBX, Inc.	
KWWC	Brownsville, Texas (500)	126
KWWC	Frank P. Jackson	
KWYO	Sheridan, Wyo. (100)	137
KWYO	Big Horn Brd Co.	
KXA	Seattle, Wash. (250)	76
KXA	American Radio Tel. Co.	
KXL	Portland, Oregon (100)	142
KXL	KXL Broadcasters, Inc.	
KXO	El Centro, Calif. (100)	150
KXO	E. R. Irey and F. M. Bowle:	

CALL (City, Owner, Power) CHANNEL

KXRO	Aberdeen, Wash. (100)	131
KXYZ	Houston, Texas (250)	144
KYA	Harris County Brd. Co.	123
KYW	San Francisco (1000)	102
RDN	Philadelphia, Pa. (500)	66
TCW	Guatemala, Guat. (250)	132
TIC	San Jose, C. R. (15)	88
TICR	Gobierno de Costa Rica (75)	91
TIEA	San Jose, C. R. (8)	83
TIEP	San Jose, C. R. (8)	145
TIFB	San Jose, C. R. (30)	71
TIFS	San Jose, C. R. (8)	144
TICA	San Jose, C. R. (30)	101
TICP	San Jose, C. R. (75)	80
TIRC	San Jose, C. R. (30)	118
TISO	San Jose, C. R. (50)	60
TITR	San Jose, C. R. (75)	133
TITV	San Jose, C. R. (8)	100
TIYL	San Jose, C. R. (30)	86
TIXA	San Jose, C. R. (8)	61
TI4NRH	San Jose, C. R. (75)	95
VOAC	Armenia, C. R. (40)	80
VOAS	St. Johns, Newf. (100)	81
VOGY	St. Johns, Newf. (75)	95
VOKW	St. Johns, Newf. (30)	109
VONF	St. Johns, Newf. (400)	120
VOWR	St. Johns, Newf. (500)	90
WP2NE	Nassau, Bahamas ( )	62
VSI	Gr'd Turk, Bahamas ( )	71
WAAB	Boston, Mass. (1000)	141
WAAF	Chicago, Ill. (500)	92
WAAT	Jersey City, N. J. (500)	94

CALL (City, Owner, Power) CHANNEL

WBAX	Wilkes-Barre, Pa. (100)	80
WBBC	John H. Stenger, Jr.	
WBCL	Brooklyn, N.Y. (500)	121
WBCL	Brooklyn Brd. Corp.	
WBCL	Richmond, Va. (100)	121
WBCL	Grace Cov. Pres. Church	
WBMM	Chicago, Ill. (25,000)	77
WBMM	WBMM Broadcasting Corp.	
WBMR	Brooklyn, N.Y. (1000)	136
WBMR	Peoples Pulpit Assn.	
WBZ	Ponca City, Okla. (100)	120
WBZ	James F. Kyler	
WBCM	Bay City, Mich. (500)	141
WBCM	James E. Davidson	
WBEN	Buffalo, N.Y. (1000)	90
WBEN	WBEN, Incorporated	
WBEO	Marquette, Mich. (100)	131
WBEO	Lake Superior Brd. Co	
WBHS	Huntsville, Ala. (100)	120
WBHS	The Hutchins Co.	
WBIC	Greensboro, N.C. (500)	144
WBIC	North Carolina Brd. Co., Inc.	
WBBO	New Orleans, La. (100)	120
WBBO	Samuel D. Reeks	
WBNS	Columbus, Ohio (500)	143
WBNS	WBNS, Inc.	
WBNT	New York, N.Y. (500)	135
WBNT	Standard Cahill Co., Inc.	
WBOW	Terry, Haute, Ind. (100)	131
WBOW	Banks of Wauash, Inc.	
WBRC	Birmingham, Ala. (500)	93
WBRC	Birmingham Brd. Co.	
WBRE	Wilkes-Barre, Pa. (100)	131
WBRE	Louis G. Baltimore	
WBSO	Needham, Mass. (500)	92
WBSO	Brd. Service, Organ, Inc.	
WBT	Charlotte, N.C. (50,000)	103
WBT	Station WBT, Inc.	
WBTM	Danville, Va. (100)	137
WBTM	Piedmont Brd. Corp.	
WBZ	Boson, Mass. (50,000)	59
WBZ	Westinghouse Electric	
WCAC	Storrs, Conn. (500)	60
WCAC	Connecticut State College	
WCAD	Canton, N.Y. (500)	122
WCAD	St. Lawrence University	
WCAE	Pittsburgh, Pa. (1000)	122
WCAE	WCAE, Incorporated	
WCAL	Northfield, Minn. (1000)	125
WCAL	St. Olaf College	
WCAM	Camden, N.J. (500)	128
WCAM	City of Camden	
WCAO	Baltimore, Md. (500)	60
WCAO	Monumental Radio Co.	
WCAP	Asbury Park, N.J. (500)	128
WCAP	Radio Industries Brd. Co.	
WCAT	Rapid City, S.D. (100)	120
WCAT	S. D. State School of Mines	
WCAU	Philadelphia, (50,000)	117
WCAU	WCAU Broadcasting Co.	
WCAX	Burlington, Vt. (100)	120
WCAX	Burlington Daily News, Inc.	
WCAY	Caihage, Ill. (100)	107
WCAY	Superior Brd. Service, Inc.	
WCBA	Allentown, Penn. (250)	144
WCBA	B. Bryan McMillman	
WCBC	Lansing, Michigan (500)	121
WCBC	Capital City Brd. Co.	
WCBD	Zion, Ill. (5000)	108
WCBD	Wilbur Glenn Volta	
WCBM	Baltimore, Md. (100)	137
WCBM	Baltimore Brd. Corp.	
WCBS	Springfield, Ill. (100)	121
WCBS	WCBS, Inc.	
WCCO	Minneapolis (50,000)	81
WCCO	Northwestern Brd., Inc.	
WCFL	Chicago, Ill. (5000)	97
WCFL	Chicago Federation of Labor	
WCFS	Charleston, W.Va. (500)	58
WCFS	WOBU, Inc.	
WCKY	Covington, Ky. (5000)	149
WCKY	L. B. Wilson, Inc.	
WCLO	Janesville, Wis. (100)	120
WCLO	WCLO Radio Corporation	
WCLS	Joliet, Ill. (100)	131
WCLS	WCLS Inc.	
WCNW	Brooklyn, N.Y. (100)	150
WCNW	Arthur Fiske	
WCOA	Pensacola, Fla. (500)	134
WCOA	Pensacola Brd. Co.	
WCOC	Meridian, Miss. (500)	88
WCOC	Misssissippi Brd. Co.	
WCRW	Chicago, Ill. (100)	121
WCRW	Clinton R. Whit	
WCSC	Charleston, S.C. (500)	136
WCSC	South Carolina Brd. Co., Inc.	
WCSH	Portland, Maine (1000)	94
WCSH	Congress Square Hotel Co.	
WDAE	Tampa, Fla. (1000)	122
WDAE	Tampa Times Co.	
WDAB	Kansas City, Mo. (1000)	61
WDAB	Kansas City Star Co.	
WDAC	Amarillo, Texas (1000)	141
WDAC	Nat. Radio and Brd. Co.	
WDAH	El Paso, Texas (100)	131
WDAH	Tri-State Brd., Inc.	
WDAS	Philadelphia, Pa. (100)	137
WDAS	WDAS Broadcasting Station	

## PAGE [20] — Radio Log and Lore —

JUNE

# ALPHABETICAL CALL LIST

CALL	(City, Owner, Power)	CHANNEL	CALL	(City, Owner, Power)	CHANNEL
WDAY	Fargo, N.D. (1000)	94	WCOP	Newark, N.J. (1000)	125
WDAY	WDAY, Inc.		WCES	May Radio Brd. Corp.	
WDBJ	Roanoke, Va. (500)	58	WCHS	Chicago, Ill. (500)	136
WDBJ	Times-World Corp.		WCHS	Oak Leaves Brd. Station, Inc.	
WDBO	Orlando, Fla. (250)	112	WCHS	Newport News, Va. (100)	131
WDBO	Orlando Brd. Co., Inc.		WCHS	Hampton Radi Brd. Corp.	
WDEL	Wilmington, Del. (200)	112	WGL	Fort Wayne, Ind. (100)	137
WDEL	WDEL, Inc.		WGL	Fred C. Zeig	
WDEV	Waterbury, Vt. (500)	55	WGLC	Wudson Falls, N.Y. (100)	137
WDEV	Harry C. Whitehill		WGLC	O.T. Griffen; G.F. Bissell	
WGTY	Minneapolis (1000)	118	WGN	WGN, Incorporated	72
WGTY	Dr. Geo. W. Young		WGN	WGN, Incorporated	
WDNC	Durham, N.C. (100)	150	WGNY	Chester Twp., N.Y. (100)	121
WDNC	Wilmington Radio Ass. Inc.		WGNY	Peter Gelet	
WDOD	Chatanooga, Tenn. (1000)	128	WGR	Buffalo, N.Y. (1000)	55
WDOD	WDOD Broadcasting Corp.		WGR	Buffalo Brd. Corp.	
WDRC	Hartford, Conn. (1000)	133	WCST	Atlanta, Ga. (250)	89
WDRC	WDRC, Incorporated		WCST	Gearnia School of Tech.	
WDSU	New Orleans, La. (1000)	125	WCY	Schenectady, N.Y. (50,000)	79
WDSU	Joseph H. Uhalt		WCY	National Broadcasting Co.	
WDZ	Tuscola, Ill. (100)	107	WHA	Madison, Wis. (1000)	94
WDZ	James L. Bush		WHA	University of Wisconsin	
WEAF	New York, N.Y. (50,000)	66	WHAD	Milwaukee, Wis. (250)	112
WEAF	National Brd. Co., Inc.		WHAD	Marquette University	
WEAN	Providence, R.I. (500)	78	WHAM	Rochester, N.Y. (50,000)	115
WEAN	Shepard Brd. Service		WHAM	Stromberg-Carlson Co.	
WEBG	Superior, Wis. (1000)	129	WHAS	Louisville, Ky. (50,000)	82
WEBG	Head of the Lakes Brd. Co.		WHAS	Courier-Journal & Times	
WEBQ	Harrisburg, Ill. (100)	121	WHAT	Philadelphia, Pa. (100)	131
WEBQ	Harrisburg Brd. Co.		WHAT	Independence Brd. Co.	
WEBR	Buffalo, N.Y. (100)	131	WHAZ	Troy, N.Y. (500)	130
WEBR	Howell Brd. Co., Inc.		WHAZ	Kennelaer Poly. Inst.	
WEDC	Chicago, Ill. (100)	121	WHB	Kansas City, Mo. (500)	86
WEDC	Emil Denmark, Inc.		WHB	WBB Broadcating Co.	
WEED	Rocky Mount, N.C. (100)	142	WHBC	Canton, Ohio (100)	120
WEED	Wm. Avery Wynne		WHBC	Edward P. Graham	
WEEI	Boston, Mass. (1000)	59	WHBD	I.L. Drab, Ohio (100)	137
WEEI	Edison Elec. Illum. Co.		WHBD	Southern Ohio Brd. Corp.	
WEEU	Reading, Pa. (1000)	83	WHBF	Rock Island, Ill. (100)	121
WEEU	Birks Broadcasting Co.		WHBF	Rock Island Brd. Co., Inc.	
WEHC	Charlottesville, Va. (500)	135	WHBL	Sheboygan, Wis. (500)	141
WEHC	Community Brd. Corp.		WHBL	Press Publishing Co.	
WEHS	Chicago, Ill. (100)	142	WHBQ	Memphis, Tenn. (100)	137
WEHS	WEHS, Inc.		WHBQ	Br. Station WHBQ, Inc.	
WEIS	Battle Creek, Mich. (50)	142	WHBU	Anderson, Ind. (100)	121
WEIS	Enquirer-News Co.		WHBU	Anderson Brd. Corp.	
WENC	Albany, Ga. (100)	142	WHBY	Green Bay, Wis. (100)	120
WENC	American Brd. Corp.		WHBY	WHBY, Inc.	
WENR	Chicano, Ill. (50,000)	87	WHDF	Calumet, Mich. (100)	137
WENR	National Brd. Co., Inc.		WHDF	Upper Mich. Brd. Corp.	
WESC	Elmira, N.Y. (1000)	104	WHDH	Boston, Mass. (1000)	83
WESC	Cornell University		WHDH	Matheson Radio Co., Inc.	
WEVD	New York, N.Y. (1000)	130	WHDL	Tupper Lake, N.Y. (100)	142
WEVD	Debs Memorial Radio Fun		WHDL	Tupper Lake Brd. Co., Inc.	
WEW	St. Louis, Mo. (1000)	76	WHEB	Po:tsmouth, N.H. (250)	74
WEW	St. Louis University		WHEB	Granite State Brd. Corp.	
WEWD	Royal Oak, Mich. (50)	131	WHEC	Rochester, N.Y. (500)	143
WEWD	Royal Oak Brd. Co.		WHEC	WHEC, Incorporated	
WFAA	Dallas, Texas (50,000)	80	WHEF	Kosciusko, Miss. (100)	150
WFAA	A. H. Belo Corp.		WHEF	Atala Mi'l Inn & Produce Co.	
WFAB	New York, N.Y. (1000)	130	WHEF	Dolan, Alabama (100)	137
WFAB	Fifth Avenue Brd. Co.		WHEF	Troy Broadcasting Co.	
WFAM	South Bend, Ind. (100)	120	WHEF	Chicago, Ill. (100)	142
WFAM	South Bend Tribune		WHEF	WHFC, Inc.	
WFAS	White Plains, N.Y. (100)	121	WHIS	Bethel, Vt. (250)	141
WFAS	Westchester Brd. Corp.		WHIS	Daily Telegraph Prtg Co.	
WFBL	Greenville, S.C. (100)	120	WHK	Cleveland, Ohio (1000)	139
WFBL	Greenville-News-Piedmont		WHK	Radio Air Service Corp.	
WFBN	Cincinnati, Ohio (100)	120	WHN	New York, N.Y. (250)	101
WFBN	Radio Station WFBN Inc.		WHN	Loew Bookbind Angrv	
WFBC	Altoona, Penn. (100)	131	WHOM	Jersey City, N.J. (250)	145
WFBC	The Gable Brd. Co.		WHOM	New Jersey Brd. Co.	
WFBC	Syracuse, N.Y. (1000)	136	WHP	Harrisburg, Penn. (500)	143
WFBC	Onondago Brd. Co.		WHP	wHP Incorporated	
WFBR	Indianapolis, Ind. (1000)	123	WIBA	Madison, Wis. (500)	128
WFBR	Indianapolis Power & Lt.		WIBA	Radio & Broadcastin Co.	
WFDE	Baltimore, Md. (500)	131	WIBC	Port Huron, Wis. (100)	121
WFDE	Baltimore Radio Show		WIBC	William C. Forrest	
WFEA	Manchester, N.H. (500)	143	WIBW	Topeka, Kan. (1000)	58
WFEA	New Hampshire Brd. Co.		WIBW	Topeka Brd. Association	
WFI	Philadelphia, Pa. (500)	56	WIBX	Utica, N.Y. (100)	120
WFI	WFI Broadcasting Co.		WIBX	WIBX, Inc.	
WFLA	Clewater, Fla. (1000)	62	WICC	Brownport, Conn. (500)	60
WFLA	Chamber of Commerce		WICC	Southern Conn. Brd. Com.	
WGAI	Lancaster, Penn. (100)	131	WIL	St. Louis, Mo. (100)	120
WGAI	WGAI, Inc.		WIL	Midwest Brd. Com.	
WGAR	Cleveland, Ohio (500)	145	WILL	Urbana, Ill. (250)	89
WGAR	WGAR Broadcasting Co.		WILL	University of Illinois	
WGBB	Freeport, N.Y. (100)	121	WILM	Roanoke, Va. (100)	142
WGBB	Harry H. Carman		WILM	Delaware Brd. Co.	
WGBF	Evansville, Ind. (500)	63	WIND	Gary, Ind. (1000)	56
WGBF	Evansville on the Air Inc.		WIND	Johnson-Kennedy Radio	
WGBI	Scranton, Penna. (500)	88	WINS	New York, N.Y. (500)	118
WGBI	Scranton Broadcasters, Inc.		WINS	American Radio News Corp.	
WGBI	Mississippi City (100)		WLEU	Stevens Pt., Wis. (2500)	90
WGBI	Great Southern Land Co.		WLEU	Wisconsin Dept. of Market	

CALL (City, Owner, Power) CHANNEL

WIOD	Miami, Fla. (1000)	130
WIP	Isle of Dreams Brd. Corp.	61
WIS	Philadelphia, Pa. (500)	105
WIS	Penna. Brd. Co., Inc.	
WJAS	Milwaukee, Wis. (250)	112
WJAS	Amer. Radio News Corp.	
WJAX	Johnstown, Pa. (100)	90
WJAX	WJAX, Inc.	
WJAY	Norfolk, Nebr. (1000)	106
WJAY	Norfolk Daily News	
WJAR	Provide ce, N. Y. (500)	89
WJAR	The Outlet Co.	
WJBL	Pittsburgh, Pa. (1000)	129
WJBL	Pittsburgh Radio Supply	
WJAX	Jacksonville, Fla. (1000)	90
WJAX	City of Jacksonville	
WJAY	Cleveland, Ohio (500)	61
WJAY	Cleveland Radio Brd. Corp.	
WJBC	La Salie, Ill. (100)	120
WJBC	Kaskaskia Brd. Co.	
WJBI	Red Bank, N.J. (100)	121
WJBI	Monmouth Brd. Co.	
WJBK	Detroit, Mich. (50)	150
WJBK	James F. Hopkins, Inc.	
WJBL	Decatur, Ill. (100)	120
WJBL	Commodore Brd. Inc.	
WJBO	Baton Rouge, La. (100)	142
WJBO	Baton Rouge Brd. Co.	
WJBW	New Orleans La. (100)	120
WJBW	C. Carlson	
WJBY	Gadsden, Ala. (100)	121
WJBY	Gadsden Brd. Co., Inc.	
WJDX	Jackson, Miss. (1000)	127
WJDX	Old Dominion Brd. Co.	
WJEJ	Hagerstown, Md. (100)	121
WJEJ	Hagerstown Brd. Co.	
WJEM	Tupelo, Miss. (500)	99
WJEM	Brit A Rog rs Jr.	
WJJD	Mcoseheart, Ill. (20,000)	113
WJJD	WJJD, Inc.	
WJMS	Ironwood, Mich. (100)	142
WJMS	WJMS, Inc.	
WJR	Detroit, Mich. (10,000)	75
WJR	R. Th. Goodwill Station, I	
WJSV	Washington, DC (10,000)	146
WJSV	Old Dominion Brd. Co.	
WJTL	Atlanta, Ga. (100)	137
WJTL	Oglethorpe University	
WJW	Akron, Ohio (100)	121
WJW	WJW, Inc.	
WJZ	New York, N.Y. (50,000)	76
WJZ		

CALL (City, Owner, Power) CHANNEL

**WLEY** Lexington, Mass. (100) **137**  
Albert S. Moffat**WLIT** Philadelphia, Pa. (100) **56**  
Lit Brothers**WLNH** Laconia, N. H. (100) **131**  
Northern Brd. Co., Inc.**WIS** Chicago, Ill. (50,000) **87**  
Amicalo Brd. Co.**WLH** Brooklyn, N. Y. (500) **140**  
Owner of Brooklyn, Inc.**WLVA** Lynchburg, Va. (100) **137**  
Lynchburg Brd. Corp.**WLW** Cincinnati, O. (50,000) **71**  
Cincinnati Radio Corp.**WLWL** New York, N. Y. (5000) **110**  
Miss. Soc. of St. Paul**WMAL** Washington, D. C. (250) **63**  
National Broadcasters' Co.**WMAQ** Chicago, Illinois (5000) **67**  
National Broadcasting Co.**WMAS** Springfield, Mass. (100) **142**  
WMAS, Inc.**WMAZ** Macon, Ga. (500) **118**  
Southwestern Brd. Co., Inc.**WMBC** Detroit, Mich. (500) **142**  
Michigan Brd. Co., Inc.**WMBD** Peoria, Illinois (500) **144**  
Peoria Broadcasting Co.**WMBG** Richmond, Va. (100) **121**  
Hawkins & Martin, Inc.**WMBH** Joplin, Missouri (100) **142**  
W. M. Robertson**WMBI** Chicago, Illinois (5000) **108****WMBQ** Auburn, N. Y. (100) **131**  
WMBQ, Inc. corporat.**WMBR** Brooklyn, N. Y. (100) **150**  
Paul J. Collofner**WMCB** Jacksonville, Fla. (100) **137**  
F. J. Reynolds**WMC** Memphis, Tenn. (500) **78**  
WMC, Inc.**WMCA** New York, N. Y. (500) **57**  
Kirkherker Brd. Co., Inc.**WMEY** Chelsea, Mass. (100) **150**  
The Northern Co.**WMNC** Fairmont, W. Va. (250) **89**  
A. M. Rowe, Inc.**WMPG** Lapeer, Michigan (100) **120**  
First Meth. Protestant Ch.**WMT** Waterloo, Iowa (1000) **60**  
Waterloo Broadcasting Co.**WNAC** Boston, Mass. (1000) **123**  
Sherard Brd. Ser. I**WNAD** Norman, Okla. (500) **101**  
versus Oklahoma**WNAX** Yankton, S. D. (1000) **57**  
House of Gurney, Inc.**WNBF** Binghamton, N.Y. (100) **150**  
"Big Dog" Corp.**WNBH** N. Bedford, Mass. (100) **131**  
New Bedford Brd. Co.**WNBO** Saxe Haven, Pa. (100) **120**  
John Brownlee Spriggs**WNBR** Memphis, Tenn. (500) **143**  
Memphis Broadcasting Co.**WNBX** Springfield, Vt. (500) **126**  
Vt. Broad. Advertising Corp.**WNBZ** Saranac Lake, N.Y. (50) **129**  
Smith & Mac**WNEL** San Juan, P. R. (500) **129**  
Juan Plaza**WNEW** Newark, N. J. (1000) **125**  
Wnew Corp.**WNOX** Knoxville, Tenn. (1000) **56**  
WNOX, Inc.**WNRA** Tuscaloosa, Ala. (100) **142**  
Katherine Jones**WNYC** New York, N. Y. (500) **81**  
City of New York**WOAI** S. Antonio, Tex. (50,000) **119**  
Soilland Industries, Inc.**WOC** Des Moines, Iowa (50,000) **100**  
Central Broadcasting Co.**WOCE** Jamestown, N.Y. (50) **121**  
A. F. Newton**WOI** Ames, Iowa (5000) **64**  
Iowa State Col. of Agric.**WOKO** Albany, N. Y. (500) **143**  
WOKO, Inc.**WOL** Washington, D. C. (100) **131**  
Washington Broad. Co.**WOMT** Madison, Wis. (100) **121**  
Madison-Madison**WOOD** G. Rapids, Mich. (500) **127**  
Kinney-Tremble Brd. Corp.**WOPI** Bristol, Tennessee (100) **150**  
Bristol Brd. Station**WOO** Kansas City, Mo. (1000) **130**  
University School of Christ's tv**WOPR** Newark, N. J. (50,000) **71**  
Dowling Bros. Broad. Service**WORD** Worcester, Mass. (100) **128**  
Frank K. Lindent**WORK** York, Penn. (1000) **100**  
York Broadcasting Co.**WOS** Jefferson City, Mo. (500) **63**  
Mo. State Highway Patrol

JUNE

— Radio Log and Lore — PAGE [21]

## ALPHABETICAL CALL LIST

These four pages of alphabetical listings contain every broadcasting station in North America, indicating the station call, the channel in which it operates, the point from which it is licensed and the name of the registered owner. The list below shows the countries of North America that have broadcasting stations within their borders, the number in each country, together with the letters which may be used by each country under international assignment and regulation.

Country	Assigned Letters	Stations
United States	K and W	593
Dominion of Canada	CF and CK	69
Cuba	CM	57
Mexico	X	46
Costa Rica	TI	15
Newfoundland	VO	6
Dominican Republic	HI	5
Honduras	HR	2
Bahamas	VP and VS	2
El Salvador	R	1
Guatemala	TG	1
Haiti	HH	1
Miquelon Islands	F	1
Total		799

CALL

(City, Owner, Power)

CHANNEL

CALL

(City, Owner, Power)

# Airline Distances

(United States-Canada)

## TABLE NO. 1

It is possible to arrange only a limited number of cities in a distance table, for quick finding and on this page is a table that is one of a series that embraces

**No. 1: United States-Canada Distances**  
**No. 2: Western Hemisphere Distances**

It will be noted that 48 cities are included in this chart and the arrangement places 48 on each side and 24 each on top and bottom. The diagonal row of hands in the upper and lower halves divides the figures applying to the cities at the left and those at the right.

## **No. 3: Eastern Hemisphere Distances**

## **No. 4: All-World Distances**

It will be noted that 48 cities are included in this chart and the arrangement places 48 on each side and 24 each on top and bottom. The diagonal row of hands in the upper and lower halves divides the figures applying to the cities at the left and those at the right.

# The Short Waves

"BELOW 100 METERS"



Radio Log and Lore maintains and publishes at intervals, many pages of short wave classified logs, charts and maps, of interest to short wave fans, nearly as many as this entire issue. It is, therefore, obviously impossible to present all in a single issue of this magazine and subsequent issues will contain other equally interesting pages. By preserving and combining them, a short wave log, never before attempted for completeness and comprehensiveness, may be obtained.

## About Our Short Wave Listings

There are many kinds of short wave stations, performing many functions, and lists are classified and published at intervals by this magazine as follows:

BROADCASTING (Program)	CODE (Press Reports)
RADIOTELEPHONE (Transoceanic)	AIR (Air Field Stations)
POLICE (Emergency)	SHIP (Ship Radiotelephone)
EXPERIMENTAL (Intermittent Broadcasting)	TELEVISION (Visual Broadcasting)
AMATEUR (Voice and Code)	

Functions of short wave stations are indicated by their classification and of these, program or broadcasting stations are most eagerly sought. However, the thrill of a voice from the opposite side of the earth is not without its effect and distance, therefore, becomes an important consideration. In addition to the classified lists, a master frequency list is published, listing either individual stations or channels inhabited by many stations; also, a spectrum containing many station and channel listings, and illustrating the entire span of radio.

In many of the tables, meters are omitted, as most sets are now calibrated in megacycles and both megacycles and kilocycles are convertible by a shifting of the decimal point. Where space permits both meters and kilocycles (or megacycles) are given.

No attempt is made to include stations that hold a license but seldom operate, or stations that operate only at infrequent intervals. Broadcast stations only actually on the air, phone stations that transmit messages and ship and code stations actually heard by listeners are included.

## When Short Wave Reception Is at Its Best

The high frequencies (short waves) are used to span great distances so that the short wave set in a word, as compared to the long wave or broadcast wave receiver, is a set of great distances; but there are many factors which control reception and make the success of reception uncertain. Two fundamental factors in short wave broadcasting, however, have been discovered and used to advantage by broadcasters which have, in a measure, reduced uncertainty and improved on the results that may be obtained.

One of these is the time of day when reception is at its best for a given frequency. The other is the influence that both time of day and frequency exert on the "skip distance". Above 12,000 kilocycles reception generally is more satisfactory during the day than at night, whereas in frequencies below 6,000 kilo-

cycles night-time reception is better. It has been found experimentally that frequencies above 15,000 kilocycles can be heard only when the path between the transmitting station and the receiver lies entirely in daylight. For frequencies between 15,000 to 8,000 kilocycles reception is best when either the transmitter or the receiver lies in darkness, but not both. The reliable range of the sky wave will vary slowly from season to season, but very rapidly from day to night. The "skip distance" is at the minimum at noon, and increases to a maximum at midnight. The most unusual conditions of reception are encountered at sunrise and sunset when the most rapid changes occur. "Skip distance" is greater when the frequency is higher.

The foregoing accounts for broadcasters, well familiar with these physical agencies,

using different frequencies for different periods of the day as well as a frequency suitable for reaching the locality the broadcast is intended to cover.

The seasons of the year affect greatly short wave reception. Better reception on the shorter waves or higher frequencies may be expected, as a rule, during the Summer months, and better reception at 6,000 kilocycles and below during the Winter months. The higher frequencies are affected least by atmospheric disturbances or static, and good results may be obtained even in Midsummer during a severe thunder storm. On the other hand, these shorter waves are affected more by interference from trolley-cars, dial telephones, automobiles, electrical appliances, elevators and the many smaller electrical devices than the standard broadcast waves.

- |                             |                            |
|-----------------------------|----------------------------|
| In the Forenoon Dial . . .  | Above 15,000 Kilocycles    |
| In the Afternoon Dial . . . | 8,000 to 15,000 Kilocycles |
| In the Evening Dial . . .   | Below 8,000 Kilocycles     |

# HERE ARE THE POLICE CALLS

**NUMERICALLY BY MEGACYCLES**

Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	
<b>.19 Megacycles</b> (190 Kilocycles; 1570 Meters)			KGPC.....St. Louis, Mo.....	1.71	WCK.....Belle Is'd, Mich.....	2.41	<b>2.44 Megacycles</b> (2442 Kilocycles; 122.8 Meters)					WPDN.....Auburn, N. Y.....	2.46		
WBA.....Harrisburg, Pa.....	1.19	KGPJ.....Beaumont, Tex.....	1.71	WMO.....High. Park, Mich.....	2.41	KGPP.....Portland, Ore.....	2.44	WPDO.....Akron, Ohio.....	2.46	WPD.....Rochester, N. Y.....	2.46	WPDR.....Charlotte, N. C.....	2.46		
WBR.....Butler, Pa.....	1.19	KGPL.....Los Angeles, Cal.....	1.71	WPDA.....Dulare, Calif.....	2.41	KGZ.....Klamath F. Ore.....	2.44	WPEA.....Syracuse, N. Y.....	2.46	WPDV.....Asheville, N. C.....	2.46	WPFS.....Cleveland, Ohio.....	2.46		
WDX.....Wyoming, Pa.....	1.19	KGZB.....Houston, Tex.....	1.71	WPDX.....Detroit, Mich.....	2.41	KGZR.....Salem, Ore.....	2.44	WRDH.....Cleveland, Ohio.....	2.46						
WJL.....Greensburg, Pa.....	1.19	KGZI.....Wichita Falls, Tex.....	1.71	WPDY.....Atlanta, Ga.....	2.41	<b>2.47 Megacycles</b> (2470 Kilocycles; 121.5 Meters)									
WMB.....West Reading, Pa.....	1.19	KGZL.....Shreveport, La.....	1.71	WPFH.....Baltimore, Md.....	2.41	KGOZ.....Cedar Rapids.....	2.47	WPDC.....Chicago, Ill.....	1.71	KGPO.....Omaha, Neb.....	2.47	WPDE.....Louisville, Ky.....	2.44	WPDP.....Flint, Mich.....	2.44
<b>1.53 Megacycles</b> (1534 Kilocycles; 196.1 Meters)		KGZQ.....Waco, Tex.....	1.71	WPFM.....Columbus, Ga.....	2.41	KGPK.....Sioux City, Iowa.....	2.47	WPDH.....Richmond, Ind.....	2.44	WPDP.....Lansing, Mich.....	2.44	WPDU.....Pittsburgh, Pa.....	1.71	KGPM.....San Jose, Cal.....	2.47
KGHO.....Des Moines, Iowa	1.53	KSW.....Berkeley, Calif.....	1.71	WPFM.....Birmingham, Ala.....	2.41	KGPM.....Davenport, Iowa.....	2.47	WPDL.....Grand Rapids.....	2.44	WPDM.....Muskegon, Mich.....	2.44	WPFG.....Jacksonville, Fla.....	2.44	KGZ.....East Providence, R. I.....	2.47
<b>1.56 Megacycles</b> (1558 Kilocycles; 192.5 Meters)		KVP.....Dallas, Tex.....	1.71	WPFW.....Mt. Pleasant, N. Y.....	2.41	KGZG.....Reading, Pa.....	2.44	WPDR.....Michigan City, Ind.....	2.41	KGZ.....Des Moines, Iowa.....	2.47	WPFW.....Waukesha, Wis.....	2.44	KGZ.....Des Moines, Iowa.....	2.47
WEY.....Boston, Mass.....	1.56	UYR.....Montreal, Can.....	1.71	WRDR.....Grosse Pt., Mich.....	2.41	KGOZ.....Cedar Rapids.....	2.47	WPDU.....Milwaukee, Wis.....	2.45	WPDP.....Philadelphia, Pa.....	2.47	WPDR.....Topeka, Kans.....	2.42	WPDU.....Milwaukee, Wis.....	2.47
WKDT.....Detroit, Mich.....	1.56	WKDU.....Cincinnati, Ohio.....	1.71	WRDR.....Michigan City, Ind.....	2.41	KGPO.....Saginaw, Mich.....	2.44	WPDR.....Toledo, Ohio.....	2.47	WPDR.....Cedar Rapids, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
<b>1.57 Megacycles</b> (1571 Kilocycles; 189.5 Meters)		WPDB.....Chicago, Ill.....	1.71	WRDR.....Michigan City, Ind.....	2.41	WPES.....Muskegon, Mich.....	2.44	WPDU.....Milwaukee, Wis.....	2.47	WPDR.....Cedar Rapids, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WEY.....Boston, Mass.....	1.56	WPDC.....Chicago, Ill.....	1.71	WPES.....Saginaw, Mich.....	2.44	WPFG.....Jacksonville, Fla.....	2.44	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WKDT.....Detroit, Mich.....	1.56	WPDD.....Chicago, Ill.....	1.71	WPES.....Saginaw, Mich.....	2.44	WPFE.....Reading, Pa.....	2.44	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
<b>1.57 Megacycles</b> (1571 Kilocycles; 189.5 Meters)		WPDU.....Pittsburgh, Pa.....	1.71	KGPE.....Kansas City, Mo.....	2.42	<b>2.45 Megacycles</b> (2450 Kilocycles; 122.4 Meters)									
KGPE.....Baton Rouge, La.....	1.57	WPED.....Arlington, Mass.....	1.71	KGPE.....Vallejo, Calif.....	2.42	KGOZ.....Oklahoma City.....	2.45	KGPH.....Oklahoma City.....	2.45	KGPO.....Oklahoma City.....	2.45	KGZ.....Des Moines, Iowa.....	2.47	WPDP.....Milwaukee, Wis.....	2.47
WMP.....Framingham, Mass.....	1.57	WPET.....Lexington, Mass.....	1.71	KGZ.....Topeka, Kans.....	2.42	KGPO.....Tulsa, Okla.....	2.45	KGPO.....Tulsa, Okla.....	2.45	KGZ.....Des Moines, Iowa.....	2.47	WPDR.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WPPE.....Middleboro, Mass.....	1.57	WPFA.....Newton, Mass.....	1.71	WMJ.....Buffalo, N. Y.....	2.42	KGZ.....Wichita, Kans.....	2.45	KGPO.....Wichita, Kans.....	2.45	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WPPE.....Portable Mass.....	1.57	WPFJ.....Hammond, Ind.....	1.71	<b>2.43 Megacycles</b> (2430 Kilocycles; 123.4 Meters)		KGZ.....Wichita, Kans.....	2.45	KGZ.....Wichita, Kans.....	2.45	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WPPE.....N'th'mpt'n, Mass.....	1.71	WPFN.....Fairhaven, Mass.....	1.71	KGPA.....Seattle, Wash.....	2.41	KGZ.....Phoenix, Ariz.....	2.43	KGZ.....Wichita, Kans.....	2.45	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WRDS.....E. Lansing, Mich.....	1.57	<b>2.41 Megacycles</b> (2414 Kilocycles; 124.2 Meters)		KGPA.....San Francisco, Calif.....	2.41	WPDI.....Columbus, Ohio.....	2.43	KGZ.....Phoenix, Ariz.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
<b>1.71 Megacycles</b> (1712 Kilocycles; 175.1 Meters)		KGPS.....Bakersfield, Calif.....	2.41	WPDM.....Dayton, Ohio.....	2.43	WPDI.....Dayton, Ohio.....	2.43	WPDI.....Dayton, Ohio.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
KGJX.....Pasadena, Cal.....	1.71	KGZA.....Fresno, Calif.....	2.41	JPDS.....St. Paul, Minn.....	2.43	WPDM.....Dayton, Ohio.....	2.43	WPDI.....Dayton, Ohio.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
KGZ.....El Paso, Tex.....	2.41	KGZ.....New Orleans, La.....	2.43	WPDI.....High'l Park, Ill.....	2.43	WPDI.....Dayton, Ohio.....	2.43	WPDI.....Dayton, Ohio.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
KGZ.....Tacoma, Wash.....	2.41	WPFF.....Toms River, N. J.....	2.43	WPDI.....High'l Park, Ill.....	2.43	WPDI.....Dayton, Ohio.....	2.43	WPDI.....Dayton, Ohio.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
KGZO.....S. Barbara, Calif.....	2.41	WPFI.....Hackensack, N. J.....	2.43	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
<b>2.46 Megacycles</b> (2458 Kilocycles; 122.0 Meters)		WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	KGZ.....Des Moines, Iowa.....	2.47	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47
WPFG.....Young'st'n, Ohio.....	2.46	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	WPFI.....High'l Park, Ill.....	2.43	KGZ.....S. Antonio, Tex.....	2.51	WPDU.....Milwaukee, Wis.....	2.47	WPDU.....Milwaukee, Wis.....	2.47

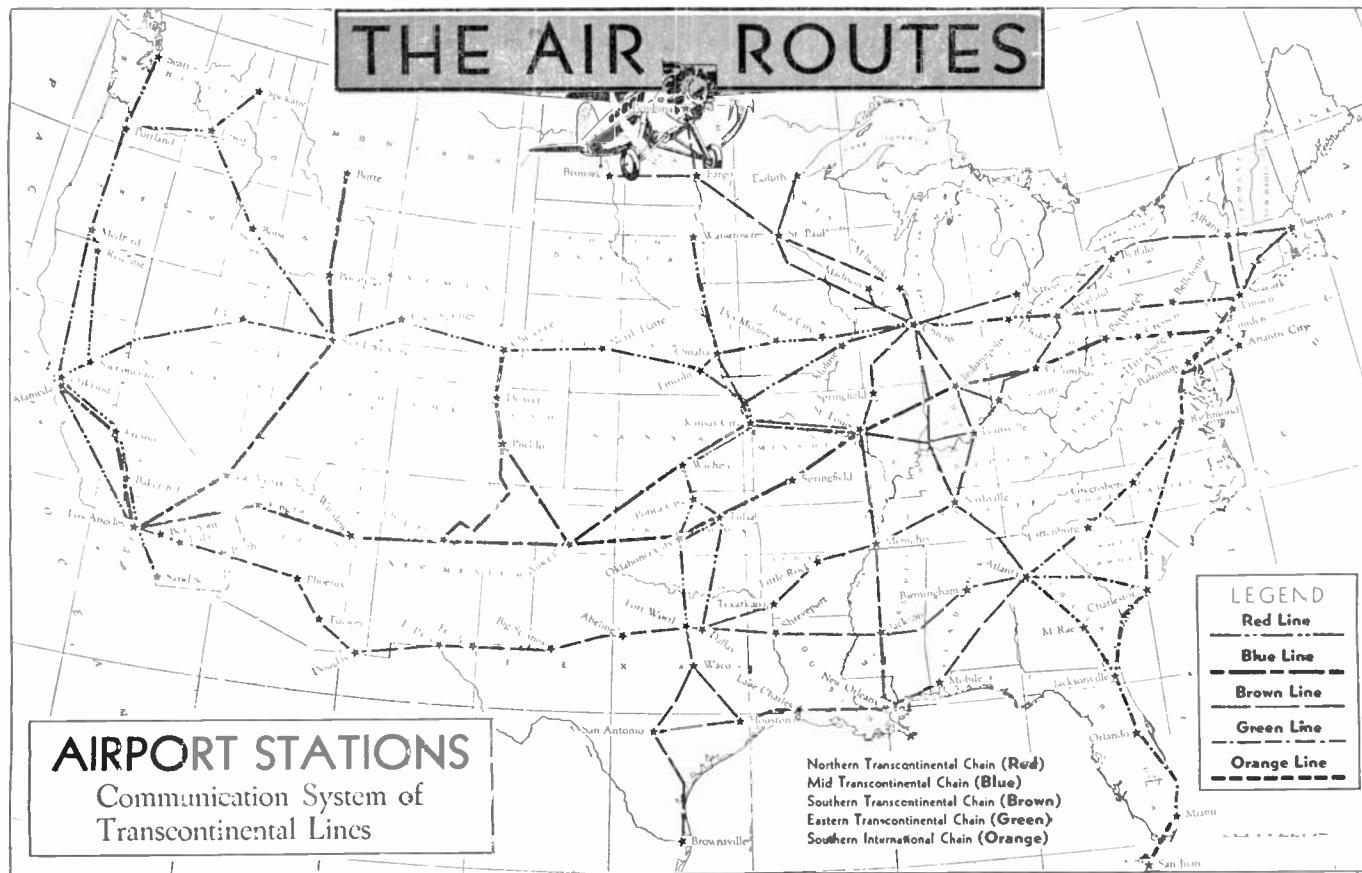
# **ALPHABETICALLY BY CITIES**

## MUNICIPAL POLICE STATIONS

## STATE POLICE STATIONS

Paton Rouge, La. KGPY..... 1.57 Fram'gh'm, Mass. WMP..... 1.57 Harrisburg, Pa. WBA..... .19 N'th'mpt'n, Mass. WPEW..... 1.57 Wyoming, Pa. WDX..... .19  
Butler, Pa. WBR..... .19 Greensburg, Pa. WJL..... .19 Middleboro, Mass. WPCL..... 1.57 San Antonio, Tex. KGZ..... 2.51 West Reading, Pa. WMB..... .19

# **ALPHABETICALLY BY CALLS**



The government designates the radio communication chain of each of the transcontinental aviation systems by a color, and these communication chains are shown on the map above. The airport stations are grouped by chains, with the frequencies of each chain in megacycles. They are also listed alphabetically by calls. Aside from

relying company messages, these stations are in constant contact with the planes enroute, receiving location of the plane, sending weather warnings, etc. They come on the air without notice and while this list comprises airport stations only, plane transmitters can be heard on the same frequencies.

### Red Line STATIONS & Frequencies

2.49 2.61 2.61 3.16 3.17 3.18 3.32  
4.12 5.57 5.58 5.59 5.66 6.49 6.50

KQX... Bakersfield, Cal. KMR... No. Platte, Nebr.  
WNAM... Bellefonte, Pa. KFO... Oakland, Calif.  
KRA... Boise, Idaho. KNAV... Okla. City, Okla.  
KOE... Cheyenne, Wyo. KMP... Omaha, Nebr.  
WUCG... Chicago, Ill. KRD... Pasco, Wash.  
WNAK... Cleveland, Ohio. KGUZ... Ponca, Okla.  
KNAT... Dallas, Tex. KVO... Portland, Ore.  
KQM... Des Moines, Iowa. KTU... Redding, Calif.  
KKO... Elko, Nev. KQC... Rock Springs, Wyo.  
KGUT... St. Louis, Mo. KFM... Sacramento, Calif.  
KGT... Fresno, Calif. KQD... Salt Lake, Utah  
KQQ... Iowa City, Iowa. KGQZ... San Diego, Calif.  
KNAS... Kansas City, Mo. KCZJ... Seattle, Wash.  
KRF... Lincoln, Nebr. KGTZ... Spokane, Wash.  
KEU... Los Angeles, Calif. WNAJ... Toledo, Ohio  
KGE... Medford, Ore. KNAU... Tulsa, Okla.  
WNAU... Moline, Ill. KGTC... Waterbury, S. D.  
WNAO... Newark, N. J. KGTE... Wichita, Kans.

### Orange Line STATIONS & Frequencies

2.65 2.87 3.08 3.08 5.40 5.96 6.57  
6.58 8.01 8.22 12.33 16.24 16.44

WKDL... Miami, Fla. WMDU... San Juan, P. R.  
KGJW... Brownsville, Tex.

### Brown Line STATIONS & Frequencies

2.32 2.36 2.67 2.67 2.70 2.85 2.94  
3.00 3.13 3.23 3.24 3.26 3.45 3.46  
3.47 3.47 3.48 4.74 4.92 5.38 5.60  
5.61 5.63 5.82 8.54 6.55 6.56 8.01

KGUL... Abeline, Tex. KGUQ... Indio, Calif.  
WSDM... Albany, N. Y. WSDB... Jackson, Miss.  
WQDP... Atlanta, Ga. KGTU... Lake Charles, La.  
KGTV... Beaumont, Calif. KQU... Little Rock, Ark.  
KGUG... Big Sprgs, Tex. KGUR... Los Angeles, Calif.  
WSDS... Birmingham, Ala. WSDF... Louisville, Ky.  
KNWD... Bismarck, N. D. WSDR... Madison, Wis.  
KGUS... Blythe, Calif. WSDK... Memphis, Tenn.  
WSDD... Boston, Mass. WAEH... Milwaukee, Wis.  
KGUE... Brownsville, Tex. WAEK... Mobile, Ala.  
WDSO... Buffalo, N. Y. WSDH... Nashville, Tenn.  
WSDG... Chicago, Ill. WSDC... Newark, N. J.  
WSDS... Cincinnati, Ohio. WQDO... New Orleans, La.  
WSDI... Cleveland, Ohio. KGTG... Omaha, Nebr.  
WSDP... Columbus, Ohio. KNWC... Pembina, N. D.  
KGUF... Dallas, Tex. KGUP... Phoenix, Ariz.  
WAEI... Detroit, Mich. KGUV... Fort Worth, Tex.  
KGUN... Douglas, Ariz. KGUJ... St. Paul, Minn.  
KGUD... Duluth, Minn. KGUD... S. Antonio, Tex.  
WSDL... El Paso, Texas. KGUK... Shreveport, La.  
KGUA... El Paso, Texas. WAEJ... Springfield, Ill.  
KNWB... El Paso, Texas. KGTB... Texarkana, Ark.  
KGUM... Frijoles, Tex. KGUD... Tucson, Ariz.  
KGUB... Houston, Texas. KGLH... Waco, Tex.  
WSDZ... Indianap'l's, Ind.

### Blue Line STATIONS & Frequencies

2.72 2.73 2.90 3.07 3.09 4.11 5.51  
5.54 5.67 5.69 6.51 6.52 6.53 8.01

KGSB... Alameda, Calif. KGTJ... Las Vegas, Nev.  
KSX... Albuquerque, N. M. KSI... Los Angeles, Calif.  
KSV... Amarillo, Tex. WAEF... Newark, N. J.  
KBTY... Butte, Mont. KGSC... Okla. City, Okla.  
WAEF... Camden, N. J. WAEG... Cresson, Pa.  
KGTG... Cheyenne, Wyo. KGTX... Pocatello, Id.  
WHG... Columbus, Ohio. KGSR... Pueblo, Colo.  
WAEC... Pittsburgh, Pa. KGTR... St. Louis, Mo.  
KGSP... Denver, Colo. KGTH... Salt Lake, Utah  
WAED... Harrisburg, Pa. KGTO... Springfield, Mo.  
WHD... Indianapolis, Ind. KSY... Tulsa, Okla.  
KST... Kansas City, Mo. KGTD... Wichita, Kans.  
KGTL... Kingman, Ariz. KGTA... Winslow, Ariz.

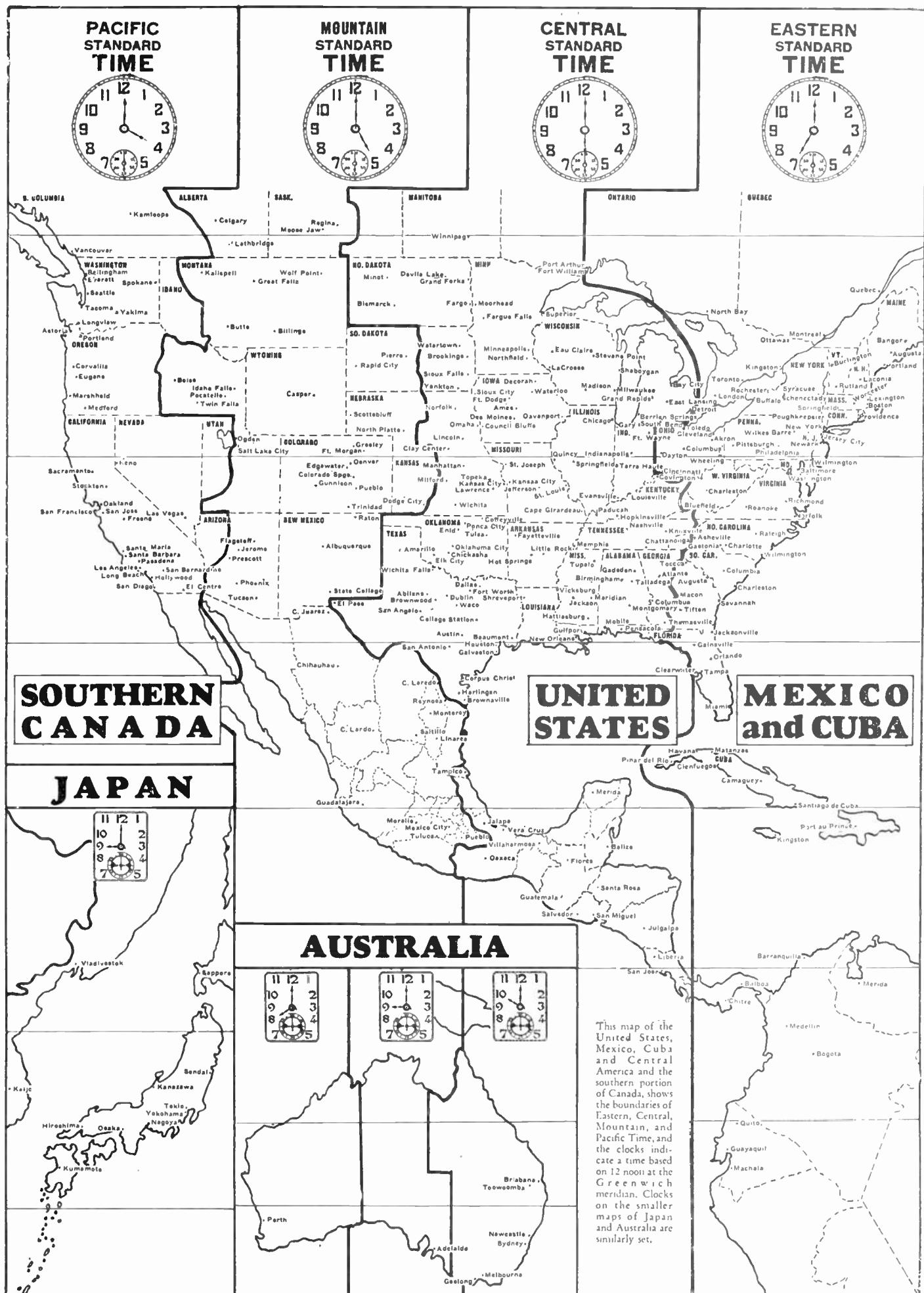
### Green Line STATIONS & Frequencies

2.38 2.92 2.95 2.99 4.12 4.74 5.65  
6.59 6.60

WEEA... Atlanta, Ga. WEEN... Linden, N. J.  
WEEH... Atlantic C., N. J. WEEH... McRae, Ga.  
WEBB... Baltimore, Md. WEEM... Miami, Fla.  
WEEC... Charleston, S. C. WEEO... Orlando, Fla.  
WEEG... Greensboro, S. C. WEER... Richmond, Va.  
WEIJ... Jacksonville, Fla. WEEF... Spartanburg, S. C.

### AIRPORT STATIONS {Alphabetically By Calls}

KBTY... Butte, Mont. KGTJ... Las Vegas, Nev. KGUK... Shreveport, La. KNWA... St. Paul, Minn. KSY... Tulsa, Okla. WEEG... Greensboro, S. C. WQDQ... New Orleans, La.  
KEU... Los Angeles, Calif. KGTL... Kingman, Ariz. KGUL... Abeline, Tex. KNWB... Fargo, N. D. KTU... Redding, Calif. WEEH... McRae, Ga. WSDB... Jackson, Miss.  
KFM... Sacramento, Calif. KGTQ... Springfield, Mo. KGUM... Frijoles, Tex. KNWC... Pembina, N. D. KVO... Portland, Ore. WEJ... Jacksonville, Fla. WSCC... Newark, N. J.  
KFO... Oakland, Calif. KGTR... St. Louis, Mo. KGUN... Douglas, Ariz. KZJ... Seattle, Wash. WEEM... Miami, Fla. WSDD... Boston, Mass.  
KGE... Medford, Ore. KGTG... Omaha, Nebr. KGUD... S. Antonio, Tex. KGUD... S. Antonio, Tex. WEEN... Linden, N. J. WSE... Birmingham, Ala.  
KGJW... Brownsville, Tex. KGTU... Cheyenne, Wyo. KGUP... Phoenix, Wyo. WAEF... Pittsburgh, Pa. WEEO... Orlando, Fla. WSDF... Louisville, Ky.  
KGQZ... San Diego, Calif. KGTU... Lake Charles, La. KGUQ... Phoenix, Wyo. WAED... Harrisburg, Pa. WEEQ... Atlantic C., N. J. WSDG... Chicago, Ill.  
KGSC... Alameda, Calif. KGTU... Beaumont, Calif. KGUR... Los Angeles, Calif. KQ... Salt Lake, Utah. WAEE... Camden, N. J. WEQ... Atlantic C., N. J. WSDG... Chicago, Ill.  
KGS... Okla. City, Okla. KGTU... Texarkana, Ark. KGUS... Blythe, Calif. KQ... Iowa City, Iowa. WAEG... Cresson, Pa. WHG... Columbus, Ohio WSDI... Cincinnati, Ohio  
KGSP... Denver, Colo. KGUT... Spokane, Wash. KGUT... St. Louis, Mo. KQU... Little Rock, Ark. WAEH... Milwaukee, Wis.  
KGSR... Pueblo, Colo. KGUA... El Paso, Texas. KGUB... Houston, Texas. KQ... Elko, Nev. KRA... Boise, Idaho. WAEJ... Springfield, Ill. WHM... Indianapolis, Ind. WSDK... Memphis, Tenn.  
KGT... Fresno, Calif. KGUB... Houston, Texas. KQ... Elko, Nev. KRA... Boise, Idaho. WAEJ... Springfield, Ill. WKL... Miami, Fla. WSDL... Duluth, Minn.  
KGTA... Winslow, Ariz. KGUD... S. Antonio, Tex. KMP... Omaha, Nebr. KRD... Pasco, Wash. WAEK... Mobile, Ala. WNAJ... Toledo, Ohio. WSDP... Columbus, Ohio  
KGTB... Texarkana, Ark. KGUE... Brownsville, Tex. KMR... No. Platte, Nebr. KRF... Lincoln, Nebr. WDSO... Buffalo, N. Y. WNAK... Cleveland, Ohio. WSDQ... Cleveland, Ohio  
KGTC... Watertown, S. D. KGUF... Dallas, Tex. KNAS... Kansas City, Mo. KSI... Los Angeles, Calif. WEA... Atlanta, Ga. WNA... Beloit, Pa. WSDR... Madison, Wis.  
KGTD... Wichita, Kans. KGUG... Big Sprgs, Tex. KNAT... Dallas, Tex. KST... Kansas City, Mo. WEEB... Baltimore, Md. WNAO... Newark, N. J. WSDS... Chicago, Ill.  
KGTE... Wichita, Kans. KGUG... Waco, Tex. KNAU... Tulsa, Okla. KSV... Amarillo, Tex. WEEC... Charleston, S. C. WNAU... Moline, Ill. WSDZ... Indianapolis, Ind.  
KGTH... Salt Lake, Utah. KGUL... Fort Worth, Tex. KNAV... Okla. City, Okla. KSX... Albuquerque, N. M. WEEF... Spartanburg, S. C. WQDP... Atlanta, Ga. WUCG... Chicago, Ill.



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B — — • •	F • — — •	J • — — —	N — — •	R • — •	V • • • —	Z — — — — • •
C — — • —	G — — — •	K — • —	O — — — —	S • • •	W • — — —	E (French) • • — — • •
D — — • •	H • • • •	L • — • •	P • — — •	T —	X — — • •	(A German) • — — • —
1 • — — — —	3 • • • — —	5 • • • •	7 — — — • • •	9 — — — — — •		
2 • • — — —	4 • • • — —	6 — — • • •	8 — — — — — •	0 — — — — — —		
. (Period) • • • • •	, (Comma) • — • — • —	! (Exclamation Point) — — • • — —	— (Fraction Bar) — — • • — •	Break (Double Dash) — — • • • —		
— (Hyphen) — — • • — —	: (Colon) — — — — — • •	' (Apostrophe) • — — — — — •	.. (Inverted Commas) • — • • — •	End Message (Cross) • — • — • —		
? (Interrogation) • • — — — •	; (Semicolon) — — • — — • —	( ) (Parenthesis) — — • — — • —	Warning (High Power) — — — • • — —	Error • • • • • • •		

## WHY NOT LEARN MORSE CODE?

[ International Morse Code and Conventional Signals ]  
To Be Used for All General Public - Service Communication

Radio has been instrumental in bringing about a universal understanding of Morse Code. As proficiency in its use is necessary to the securing of an amateur license, thousands upon thousands of "Hams" in all parts of the world have become expert in its use; whereas this knowledge was previously possessed only by persons employed professionally in the transmission of messages by wire.

### PLEASE NOTE:

- (1) A Dash Is Equal to Three Dots
- (2) The Space Between Parts of the Same Letter Is Equal to One Dot
- (3) The Space Between Two Letters Is Equal to Three Dots
- (4) The Space Between Two Words Is Equal to Five Dots

This knowledge of the alphabet, acquired by amateurs and others, is the source of much entertainment in gleaning press, weather and other information from the air.

QRA.....What is the name of your station?  
 QRB.....At what approximate distance are you?  
 QRD.....Where are you going?  
 QRE.....What is the nationality of your station?  
 QRF.....Where do you come from?  
 ORG.....Will you indicate my exact frequency in kilocycles?  
 ORH.....What is your exact frequency in kilocycles?  
 QRI.....Is my tone bad?  
 QRJ.....Are you receiving me badly? Signals weak?  
 QRK.....Are you receiving me well? Are my signals good?  
 QRL.....Are you busy?  
 QRM.....Are you being interfered?  
 QRN.....Are you troubled by atmospherics?  
 QRO.....Must I increase my power?  
 QRP.....Must I decrease my power?  
 QRQ.....Must I send faster?  
 QRS.....Must I send slowly?

QRT.....Must I stop sending?  
 QRU.....Have you anything for me?  
 QRV.....Must I send a series of V's?  
 QRW.....Must I advise .....that you are calling him?  
 QHX.....Must I wait? When will you call me again?  
 QRY.....Which is my turn?  
 QRZ.....By whom am I being called?  
 QSA.....What is the strength of my signals (9 to 5)?  
 QSB.....Does the strength of my signals vary?  
 QSC.....Do my signals disappear entirely at intervals?  
 QSD.....Is my keying bad?  
 QSE.....Are my signals distinct?  
 QSF.....Is my automatic transmission good?  
 QSK.....Must I suspend traffic? When will you call?  
 QSL.....Can you give me acknowledgment of receipt?  
 QSM.....Have you received my acknowledgment?  
 QSM.....Can you receive me listen?

QSP.....Will you relay to ..... free of charge?  
 QSQ.....Must I send each word or group once only?  
 QSX.....Does my wave length /frequency vary?  
 QSZ.....Must I send each word or group twice?  
 QTA.....Must I cancel telegram No. ....?  
 QTB.....Do you agree with my word count?  
 QTC.....How many telegrams have you to send?  
 QTD.....Is the word "count" accepted?  
 QTE.....What is my true bearing?  
 QTH.....What is your position in latitude and longitude?  
 QTJ.....What is your true course?  
 QTJ.....What is your speed?  
 QTK.....What is true bearing of ..... relative to you?  
 QTP.....Are you going to enter the dock?  
 QTR.....What is the exact time?  
 QTS.....What is true bearing of your station relative to me?  
 QTU.....What are hours during which your station is open?

# SHORT WAVE STATION

<b>4.10 : WND</b> 73.21M—PHONE—( ) <b>HIALEAH, FLORIDA</b> Amer. Teleph. & Telegr. Co. Phones VPN, Bahamas, irregularly	<b>5.97 : HVJ</b> 50.27M—BRD—15,000W <b>VATICAN CITY, ITALY</b> Daily 2-2:15 pm except Sundays. Sundays 5-5:30 am	<b>6.07 : UOR2</b> 49.41M—BRD—250W <b>VIENNA, AUSTRIA</b> Wed. and Fri. 1-8:30 pm Tue. and Thu. 8:30 am-4 pm	<b>6.15 : YV3BC</b> 48.78M—BRD—( ) <b>CARACAS, VENEZUELA</b> Daily 10:30 am-1:30 pm and 4:30-9:30 pm	<b>6.84 : HAT2</b> 43.86M—PHONE—20,000W <b>BUDAPEST, HUNGARY</b> Phones USA, Holland, Hung- ary, Turkey, England and French Algeria	<b>9.28 : CCB</b> 32.33M—PHONE—15,000W <b>RUGBY, ENGLAND</b> British Post Office Phones CGA and SUV afternoons
<b>4.11 : HCJB</b> 72.99M—BRD—( ) <b>QUITO, ECUADOR</b> Daily except Mondays 7:30 to 9:45 pm	<b>6.00 : RW59</b> 50.00M—BRD—20,000W <b>MOSCOW, RUSSIA</b> Daily 2-6 pm	<b>6.07 : OXY</b> 49.40M—BRD—500W <b>SKAMLEBACK, DENMARK</b> Relays Copenhagen 1-6 pm irregularly	<b>6.19 : TGW</b> 48.50M—BRD—( ) <b>GUATEMALA, GEN. AM.</b> 1:30-2:30 pm and 5 pm-Midnight	<b>6.99 : LCL</b> 42.9M—BRD—1000W <b>JELOY, NORWAY</b> Relays Oslo Daily 11 am-6 pm	<b>9.33 : CJA2</b> 32.15W—PHONE—15,000W <b>DR'M'NDVILLE, CANADA</b> Canadian Marconi Co. Phones ships and England irregularly
<b>4.27 : RV15</b> 70.20M—BRD—15,000W <b>KHARBAROVSK, RUSSIA</b> Daily 3-9 am	<b>6.00 : VE9DN</b> 49.96M—BRD—( ) <b>DR'M'NDVILLE, CANADA</b> Saturdays after 11:30 pm	<b>6.08 : W9XAA</b> 49.34M—BRD—500W <b>CHICAGO, ILL.</b> Relays WCFL Sundays 11:30 am-9 pm	<b>6.25 : HJ3ABF</b> 48.00M—BRD—( ) <b>BOGOTA, COLOMBIA</b> Daily 7-11 pm	<b>7.15 : HJ4ABB</b> 41.00M—BRD—( ) <b>HUANCALLES, COLOMBIA</b> Sundays 3:30-4:30 pm; Monday 7:30-9:30 am and Thursday 12:30-2:30 pm	<b>9.35 : XDC</b> 32.09M—EXP—( ) <b>MEXICO CITY, MEXICO</b> <b>ZEEZAN, GERMANY</b> Testing 5-7 pm irregularly
<b>4.32 : CDB</b> 69.44M—PHONE—15,000W <b>RUGBY, ENGLAND</b> British Post Office Phones Canada 8-11 pm, irregularly	<b>6.00 : VE9DR</b> 49.96M—BRD—( ) <b>DR'M'NDVILLE, CANADA</b> Daily 7 am to 11 pm Sundays 10 am to 11 pm	<b>6.08 : CP5</b> 49.30M—BRD—( ) <b>LA PAZ, BOLIVIA</b> Mon., Wed., Fri. 6:30-8 pm Tue., Thu., Fri. 9-11:30 pm	<b>6.28 : HI1A</b> 47.80M—BRD—( ) <b>SANTO DE LOS CAB., D. R.</b> Daily 12:10-2:10 pm and Thu. 12:20-2:10 pm and 7:40-9:40 pm	<b>7.22 : HKE</b> 41.55M—BRD—( ) <b>BOGOTA, COLOMBIA</b> Monday 6-7 pm Tuesday and Friday 8-9 pm	<b>9.51 : YV3BC</b> 31.55M—BRD—( ) <b>CARACAS, VENEZUELA</b> 4:30-10 pm irregularly and 10:30-1 pm irregularly
<b>4.75 : WOO</b> 63.12M—PHONE—20,000W <b>OCEAN GATE, N. J.</b> Amer. Teleph. & Telegr. Co. Phones ships irregularly	<b>6.00 : COC</b> 50.00M—BRD—( ) <b>HAVANA, CUBA</b> Daily 4-8 pm, irregularly	<b>6.09 : VE9BJ</b> 49.26M—BRD—( ) <b>ST. JOHN, CANADA</b> Daily 5-11 pm	<b>6.32 : HIZ</b> 47.50M—BRD—( ) <b>SANTO DOMINGO, D. R.</b> Daily 4:40-5:40 pm and Saturdays 9:40-11:40 pm	<b>7.40 : HJ3ABD</b> 40.54M—EXP—( ) <b>BOGOTA, COLOMBIA</b> Daily 9-11:15 pm	<b>9.51 : VK3ME</b> 31.55M—BRD—3500W <b>MELBOURNE, AUSTRALIA</b> Australian Amal. Wireless Wednesday 5-6 am and Saturday 5-7 am
<b>4.82 : GDW</b> 62.24M—BRD—15,000W <b>RUGBY, ENGLAND</b> British Post Office Tests with New York 8-11 pm, irregularly	<b>6.02 : DJC</b> 49.83M—BRD—5000W <b>ZEZAN, GERMANY</b> Daily 1-4 and 8-11 pm	<b>6.09 : VE9GW</b> 49.22M—BRD—( ) <b>BOWMANVILLE, CANADA</b> Mon., Tue., Wed., Thu. 3 pm-Midnight; Fri. and Sat. 8 am-Mid.; Sun. Noon-9 pm	<b>6.38 : HJ5ABD</b> 47.02M—BRD—( ) <b>CALI, COLOMBIA</b> Thu., Sat. and Sun. 7:00-10 pm	<b>7.80 : HBP</b> 38.48M—BRD—20,000W <b>PRANGINS, SWITZ.</b> Saturdays 5:30-6:15 pm	<b>9.51 : GSB</b> 31.55M—BRD—20,000W <b>DAVENTRY, ENGLAND</b> British Broadcasting Corp. 11 am-1 pm; 1:15-2:45 pm; 6-8 pm
<b>4.82 : G6RX</b> 62.24M—EXP—( ) <b>RUGBY, ENGLAND</b> Tests 8-11 pm irregularly	<b>6.04 : W4XB</b> 49.67M—BRD—2500W <b>MIAMI, FLORIDA</b> Relays WIOD Saturdays 6-11 pm	<b>6.10 : W3XAL</b> 49.18M—BRD—35,000W <b>BOUND BROOK, N. J.</b> Relays WJZ Saturdays 5:30 pm-1 am	<b>6.42 : W3XL</b> 46.70M—BRD—( ) <b>BOUND BROOK, N. J.</b> Fridays 5 pm and 1 am irregularly	<b>7.88 : J1AA</b> 38.04M—BRD—5000W <b>KEMIKAWOYA-CHO, JAPAN</b> Testing with KEL irregularly	<b>9.53 : W2XF</b> 31.48M—BRD—40,000W <b>SCHEEDETADY, N. Y.</b> General Electric Co. Daily 7:45-11 pm
<b>4.98 : CBC</b> 60.30M—PHONE—5000W <b>RUGBY, ENGLAND</b> Phones ships irregularly	<b>6.04 : W1XAL</b> 49.67M—BRD—500W <b>BOSTON, MASS.</b> Daily 6-7:45 pm, Sundays 6:30-9:30 pm, irregularly	<b>6.10 : W9XF</b> 49.18M—BRD—5000W <b>CHICAGO, ILL.</b> Daily except Saturday 4:30-8 pm and 9:30 am-2 pm Sundays 4:30-7 pm	<b>6.45 : HJ1ABB</b> 46.51M—BRD—( ) <b>BARRANQUILLA, COLOM.</b> Daily 11:30 am-1 pm and 5-10 pm Tuesdays 5-11 pm	<b>8.03 : CNR</b> 37.53M—BRD—12,000W <b>RABAT, MOROCCO</b> Sunday 2:30-5 pm	<b>9.56 : DJA</b> 31.38M—BRD—5000W <b>ZEZAN, GERMANY</b> Daily 4-8 pm
<b>5.02 : ZFA</b> 59.70M—PHONE—1500W <b>HAMILTON, BERMUDA</b> Phones ships and USA at night	<b>6.05 : CSA</b> 49.59M—BRD—20,000W <b>DAVENTRY, ENGLAND</b> 2:15-3:15 pm and 6-8 pm	<b>6.11 : VUC</b> 49.10M—BRD—( ) <b>GALCUTTA, INDIA</b> Daily except Saturday 9:30-Noon. Saturdays 11:45 pm-3 am	<b>6.61 : RW72</b> 45.38M—BRD—10,000W <b>MOSCOW, RUSSIA</b> Daily 1-6 pm	<b>8.18 : PSK</b> 30.65M—PHONE—12,000W <b>RIO DE JANEIRO, BRAZIL</b> Sending music 6:30-8 pm irregularly Cia Radio Int. do Brazil	<b>9.57 : W1XAZ</b> 31.85M—BRD—10,000W <b>SPRINGFIELD, MASS.</b> Westinghouse Electric 7 am-1 am next day
<b>5.08 : WCN</b> 59.08M—PHONE—20,000W <b>LAWRENCEVILLE, N. J.</b> Amer. Teleph. & Telegr. Co. Phones England evenings	<b>6.06 : W3XAU</b> 49.50M—BRD—1000W <b>PHILADELPHIA, PENNA.</b> Relays WCAU 8 pm-1 am irregularly	<b>6.11 : VE9HX</b> 49.10M—BRD—( ) <b>HALIFAX, CANADA</b> Daily 8:30-11:30 pm and 5-10 pm	<b>6.62 : PRADO</b> 45.32M—BRD—( ) <b>RIOBAMBA, ECUADOR</b> Thursdays 9-11 pm	<b>8.38 : IAC</b> 35.80M—PHONE—14,000W <b>PIZA, ITALY</b> Adminis. Post. and Telegr. Phones ships irregularly	<b>9.58 : CSC</b> 31.30M—BRD—20,000W <b>DAVENTRY, ENGLAND</b> British Broadcasting Corp. Daily 6-8 pm
<b>5.14 : PMY</b> 58.31M—BRD—1000W <b>BANDOENG, JAVA</b> Phones Australia near 11 am	<b>6.06 : VQ7LO</b> 49.50M—BRD—1250W <b>NAIROBI, AFRICA</b> Mon., Wed. and Fri. 5:45-6:15 pm; Tue. 3-4 am and Thu. 8-9 am	<b>6.12 : W2XE</b> 49.02M—BRD—5000W <b>WAYNE, N. J.</b> Relays WABC Daily 6-11 pm	<b>6.65 : IAC</b> 45.11M—PHONE—14,000W <b>PIZA, ITALY</b> Phones ships evenings	<b>8.56 : WOO</b> 35.05M—PHONE—20,000W <b>OCEAN GATE, N. J.</b> Amer. Teleph. & Telegr. Co. Noon-6 pm	<b>9.59 : W3XAU</b> 31.28M—BRD—1000W <b>PHILADELPHIA, PENNA.</b>
<b>5.70 : HCK</b> 52.63M—BRD—( ) <b>QUITO, ECUADOR</b> Daily 8-11 pm	<b>6.06 : W8XAL</b> 49.50M—BRD—10,000W <b>CINCINNATI, OHIO</b> Relays WLW 9-10 pm irregularly	<b>6.12 : ZTJ</b> 49.00M—BRD—5000W <b>JOHANNESBURG, S. AFR.</b> Daily 4-6 am and 11 am-3:40 pm	<b>6.67 : HC2RL</b> 45.00M—BRD—( ) <b>QUITO, ECUADOR</b> Sundays 5:45-7:45 pm and Tue. 9:15-11:15 pm	<b>8.68 : GBC</b> 34.56M—Phone—5000W <b>RUGBY, ENGLAND</b> British Post Office Phones ships irregularly	<b>9.59 : VK2ME</b> 31.28M—BRD—16,000W <b>SYDNEY, AUSTRALIA</b> Australian Amal. Wireless Sunday 1-3 am, 10:30 am to 12:30 pm
<b>5.85 : WOB</b> 51.26M—PHONE—( ) <b>LAWRENCEVILLE, N. J.</b> Phones Bermuda nights	<b>6.07 : VE9CS</b> 49.42M—BRD—( ) <b>VANCOUVER, B. C.</b> Fridays 12:30-1:45 am Sundays Noon-Midnight	<b>6.13 : ZGE</b> 48.90M—BRD—1200W <b>KUALA LUMPUR, F. M. S.</b> Sunday, Tuesday and Friday 6:40-8:40 am	<b>6.75 : WOA</b> 44.41M—PHONE—20,000W <b>LAWRENCEVILLE, N. J.</b> Amer. Teleph. & Telegr. Co. Phones England nights	<b>9.02 : GCS</b> 33.26M—PHONE—15,000W <b>RUGBY, ENGLAND</b> British Post Office Phones New York evenings	<b>9.59 : HBL</b> 31.27M—BRD—20,000W <b>PRANGINS, SWITZ.</b> Radio Suisse S. A. Saturdays 5:30-6:15 pm
<b>5.86 : HJ4ABE</b> 51.20M—BRD—( ) <b>MEDELLIN, COLOMBIA</b> Mondays 7-11 pm, Tues., Thurs. and Sat. 6:15-8 pm, Wed. and Fri. 7:30-10 pm.	<b>6.07 : YV5BMO</b> 49.42M—BRD—( ) <b>MARACAIBO, VENEZUELA</b> Tests 5-10 pm	<b>6.14 : W8XK</b> 48.86M—BRD—40,000W <b>PITTSBURGH, PENNA.</b> Relays KDKA 4:30 pm-2 am	<b>6.90 : GDS</b> 43.45M—PHONE—15,000W <b>RUGBY, ENGLAND</b> British Post Office Phones New York nights	<b>9.17 : WNA</b> 32.72M—PHONE—20,000W <b>LAWRENCEVILLE, N. J.</b> Amer. Teleph. & Telegr. Co. Phones England evenings	<b>9.60 : XETE</b> 31.25M—BRD—( ) <b>MEXICO CITY, MEXICO</b> Irregular. Now heard in the morning

# N FINDER

This is a combined list of leading broadcast, experimental and communications stations. Broadcast stations, providing entertainment, are most important, although experimental stations often broadcast programs. The greater part of the communications stations listed here are phone; however, some code stations are included. The large figures at the left are the frequencies in megacycles. Meters and power are also shown, as well as the nature of the station.

<b>9.60 : CT1AA</b> 31.23M—BRD—( ) LISBON, PORTUGAL Tue. and Fri. 4:30-7 pm	<b>10.41 : KES</b> 28.82M—EXP—40,000W BOLINAS, CALIF. RCA Communications Phones Japan irregularly	<b>11.75 : CSD</b> 25.53M—BRD—20,000W DAVENTRY, ENGLAND British Broadcasting Corp. Daily 3-5 am and 1:15-2:45 pm	<b>12.79 : IAC</b> 23.45M—PHONE—14,000W COLTANA, ITALY Works ships mornings	<b>15.24 : FYA</b> 19.68M—BRD—12,000W PARIS, FRANCE Government Station Daily 8-11 am	<b>17.77 : PHI</b> 16.88M—BRD—20,000W HUIZEN, HOLLAND Mon., Wed., Fri. 7:30-9:30 am irregularly
<b>9.71 : CCA</b> 30.90M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones New York, Brazil and Argentina evenings	<b>10.42 : PDK</b> 28.80M—PHONE—( ) KOOTWIJK, HOLLAND Admin. Posts and Telegr. Phones Java 7:30-9:40 am and the Dutch Indies	<b>11.76 : DJD</b> 25.51M—BRD—5000W ZEEZAN, GERMANY Daily 8-11 pm and 1-4:30 pm	<b>12.83 : CNR</b> 23.38M—BRD—12,000W RABAT, MOROCCO Office of Posts and Telegr. Broadcasts Sat. 7:30-9 am Phones St. Assise 5-8 am	<b>15.25 : W1XAL</b> 19.67M—BRD—5000W BOSTON, MASS. World Wide Brdgstg. Corp. Sundays 11 am-3 pm	<b>17.78 : W3XAL</b> 16.87M—BRD—35,000W BOUND BROOK, N. J. National Broadcastg Co. Relays WIZ Daily exc. Fri. 11 am-5 pm
<b>9.75 : WOF</b> 30.77M—PHONE—20,000W LAWRENCEVILLE, N. J. Phones England evenings	<b>10.42 : UIC</b> 28.79M—PHONE—( ) MEDAN, SUMATRA Phones Java and VLR 3-8 am and 4-5 pm	<b>11.76 : XDM</b> 25.50M—PHONE—( ) MEXICO CITY, MEXICO Tests XAM 8-9 pm irregularly	<b>13.39 : WMA</b> 22.40M—PHONE—( ) LAWRENCEVILLE, N. J. Phones England daytimes	<b>15.27 : W2XE</b> 19.65M—BRD—5000W WAYNE, N. J. Atlantic Broadcastg Corp. Relays WABC Daily 11 am-1 pm	<b>18.20 : GAW</b> 16.48M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones New York mornings
<b>9.79 : CCW</b> 30.64M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones America evenings	<b>10.52 : VLK</b> 28.51M—PHONE—( ) SYDNEY, AUSTRALIA Australian Amal. Wireless Phones GBP 1-8 am	<b>11.79 : W1XAL</b> 25.45M—BRD—5000W BOSTON, MASS. Daily 5-11 pm irregularly Sundays 6-8 pm	<b>13.58 : CBB</b> 22.08M—PHCNE—15,000W RUGBY, ENGLAND British Post Office Phones Canada and Egypt daytimes	<b>15.33 : W2XAD</b> 19.57M—BRD—25,000W SCHEECTADY, N. Y. General Electric Co. Mon., Wed., Fri. 2:30-3:30 pm and Sun. 4-5 pm	<b>18.31 : GAS</b> 16.38M—BRD—15,000W RUGBY, ENGLAND British Post Office Phones New York mornings
<b>9.83 : IRU</b> 30.52M—PHONE—25,000W ROME, ITALY Italian Radio Society Phones Egypt afternoons	<b>10.55 : WOK</b> 28.44M—PHONE—20,000W LAWRENCEVILLE, N. J. Phones Brazil, Argentina Peru irregularly	<b>11.81 : I2RO</b> 25.40M—BRD—9000W ROME, ITALY Italian Radio Company Daily Noon-1:30 pm 4-6:30 pm	<b>14.44 : GBW</b> 2.78M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones MNC 6 am-6 pm and the United States ...	<b>15.35 : CT1AA</b> 19.53M—BRD—( ) LISBON, PORTUGAL Tests near 10 am Saturdays Tues. and Fri. 4:30-7 pm	<b>18.34 : WLA</b> 16.36M—PHONE—20,000W LAWRENCEVILLE, N. J. Amer. Telep. & Telegr. Co. Phones England 8 am-4 pm
<b>9.86 : EAQ</b> 30.43M—BRD—10,000W MADRID, SPAIN Transradio Espanola S. A. Daily 5:30-8 pm and Saturday 1-3 pm	<b>10.67 : WNB</b> 28.09M—PHONE—500W LAWRENCEVILLE, N. J. Amer. Teleph. & Telegr. Co. Phones Bermuda daytimes	<b>11.83 : W2XE</b> 25.36M—BRD—5000W WAYNE, N. J. Relays WABC Daily 3-5 pm	<b>14.47 : WMF</b> 20.73M—PHONE—20,000W LAWRENCEVILLE, N. J. Phones England daytimes	<b>15.49 : J1AA</b> 19.36M—BRD—( ) KEMIKAWAO-CHO, JAPAN 4:30 am and late afternoons irregularly	<b>18.40 : PCK</b> 16.30M—PHONE—40,000W KOOTWIJK, HOLLAND Adminis. Post. and Telegr. Phones Java near 7 am and Dutch Indies
<b>9.87 : J1AA</b> 30.40M—EXP—( ) KEMIKAWAO-CHO, JAPAN 4-7 am irregularly	<b>10.77 : CBP</b> 27.86M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones Australia 8 am to Midnight	<b>11.86 : CSE</b> 25.28M—BRD—20,000W DAVENTRY, ENGLAND British Broadcasting Corp. Daily 7:30-8:45 am and 4-6 pm	<b>14.53 : LSN</b> 20.65M—PHONE—5000W BUENOS AIRES, ARGEN. International Radio Company Phones New York daytimes	<b>15.62 : OCJ</b> 19.20M—PHONE—( ) LIMA, PERU All America Cables, Inc. Phones CEC 2 pm irregularly	<b>18.62 : CAU</b> 16.11M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones New York mornings
<b>9.87 : WON</b> 30.40M—PHONE—20,000W LAWRENCEVILLE, N. J. Amer. Teleph. & Telegr. Co. Phones England evenings	<b>10.97 : OCP</b> 27.35M—PHONE—1500W LIMA, PERU All America Cables, Inc. Phones HIJY evenings irregularly	<b>11.87 : W8XK</b> 25.27M—BRD—40,000W PITTSBURGH, PENNA. Westinghouse Electric Relay KDKA Daily 4:30-10 pm	<b>14.59 : WMM</b> 20.56M—PHDNE—20,000W LAWRENCEVILLE, N. J. Phones England daytimes	<b>15.88 : FTK</b> 18.89M—PHONE—30,000W ST. ASSISE, FRANCE Cie Radio France Phones Saigon 8:30 to 11 am	<b>18.83 : PLE</b> 15.93M—PHONE—60,000W BANDENG, JAVA Phones Europe
<b>9.89 : LSN2</b> 30.33M—PHONE—5000W BUENOS AIRES, ARGEN. International Radio Company Phones WLO 6 pm-6 am and 9-10 pm irregularly	<b>11.18 : CT3AQ</b> 26.83M—BRD—( ) FUNCHAL, MADEIRA Tuesdays and Thursdays 5-6:30 pm Sundays 10:30 am-1 pm	<b>11.90 : FYA</b> 25.20M—BRD—12,000W PARIS, FRANCE Government Station 11:45 am-2:15 pm; 3-6 pm	<b>14.98 : KAY</b> 20.03M—PHONE—40,000W MANILA, P. I. RCA Communications Phones DFS 5-7 am and USA 7-8 pm	<b>16.27 : WLK</b> 18.14M—PHONE—20,000W LAWRENCEVILLE, N. J. Phones England and South America	<b>18.97 : CAQ</b> 15.81M—PHONE—( ) RUGBY, ENGLAND British Post Office Phones ZSS 3 am-Noon and South Africa
<b>9.95 : CCU</b> 30.17M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones New York evenings	<b>11.54 : XAM</b> 26.00M—EXP—( ) MERIDA, MEXICO Phones XDA 1 and 6 pm irregularly	<b>11.95 : KKQ</b> 25.10M—EXP—40,000W BOLINAS, CALIF. RCA Communications Phones Hawaii irregularly in the evenings	<b>15.05 : WNC</b> 19.92M—PHONE—400W HIALEAH, FLORIDA Amer. Teleph. & Telegr. Co. Phones HJB, RXC and YVQ daytimes	<b>16.27 : WOC</b> 18.44M—PHONE—20,000W OCEAN GATE, N. J. 18.44M—PHONE—( )	<b>19.35 : FTM</b> 15.50M—PHONE—30,000W ST. ASSISE, FRANCE Cie Radio France Phones South America 10 am-2 pm
<b>10.05 : ZFB</b> 29.83M—PHONE—15000W HAMILTON, BERMUDA Phones USA and ships daytimes	<b>11.67 : PPQ</b> 25.71M—EXP—( ) RIO DE JANEIRO, BRAZIL Radiotelephone Co. of Brazil Phones Europe, USA and Argentina irregularly nights	<b>12.00 : RNE</b> 25.00M—BRD—( ) MOSCOW, RUSSIA Saturdays 10-11 pm Sundays 6-7 am and 1-2 pm	<b>15.12 : HVJ</b> 19.84M—BRD—10,000W VATICAN CITY, ITALY Daily 5-5:15 am and near 10 am irregularly	<b>17.08 : GBC</b> 17.56M—PHONE—5000W RUGBY, ENGLAND British Post Office Phones ships irregularly	<b>19.38 : WOP</b> 15.48M—PHONE—20,000W OCEAN GATE, N. J. Amer. Telep. & Telegr. Co. Phones Peru No. 5 pm
<b>10.22 : PSH</b> 29.35M—PHONE—12,000W RIO DE JANEIRO, BRAZIL Phones Spain and broadcasts music in the evenings	<b>11.70 : FYA</b> 25.63M—BRD—( ) PARIS, FRANCE Daily 3 pm-Midnight	<b>12.15 : CBS</b> 24.69M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones New York	<b>15.14 : CSF</b> 19.82M—BRD—15,000W DAVENTRY, ENGLAND Daily 3-5 am	<b>17.12 : WOO</b> 17.52M—PHONE—20,000W OCEAN GATE, N. J. Amer. Teleph. & Telegr. Co. Phones ships irregularly	<b>21.02 : LSN6</b> 14.27M—PHONE—( ) BUENOS AIRES, ARGEN. International Radio Company Phones WK and WLK 8-9 am-4 pm and Europe
<b>10.33 : ORK</b> 29.04M—BRD—60,000W BRUSSELS, BELGIUM Regie des Teleph. and Telegr. 1-5 pm irregularly. Phones Belgian Congo, Argentina	<b>11.72 : VE9JR</b> 25.60M—BRD—( ) WINNIPEG, CANADA Daily 6-10:30 pm Sunday 6-10 pm	<b>12.29 : CBU</b> 24.41M—PHONE—15,000W RUGBY, ENGLAND British Post Office Phones America evenings	<b>15.20 : DJB</b> 19.74M—BRD—5000W ZEEZAN, GERMANY German Reichspost Daily 8-11 am and 12:30-2 pm	<b>17.31 : W3XL</b> 17.33M—BRD—( ) BOUND BROOK, N. J. Fridays 11 am-5 pm	<b>21.42 : WKK</b> 14.01M—PHONE—20,000W LAWRENCEVILLE, N. J. Amer. Telep. & Telegr. Co. Phones South America 8 am-4 pm
<b>10.35 : LSX</b> 28.90M—BRD—12,000W BUENOS AIRES, ARGEN International Transradio Relays LR4 3-4 and 8-9 pm irregularly	<b>11.73 : PHI</b> 25.58M—BRD—20,000W HUIZEN, HOLLAND Monday, Wednesday and Friday 7:30-9:30 am	<b>12.78 : CBC</b> 23.47M—PHONE—5000W RUGBY, ENGLAND British Post Office Phones ships irregularly	<b>15.21 : W8XK</b> 19.72M—BRD—40,000W PITTTSBURGH, PENNA. Westinghouse Electric Relay KDKA Daily 10 am-4:15 pm	<b>17.75 : IAC</b> 16.90M—PHONE—14,000W COLTANA, ITALY Phones ships daily 6:30 to 7:30 am	<b>21.54 : W8XK</b> 13.93M—BRD—( ) PITTTSBURGH, PENNA. Relays KCKA 7 am-2 pm

# Meters vs. Cycles : Kilocyles : Channels : Megacycles

There are two distinct measurements of a radio wave; first, cycles (the frequency per second) of the radio wave, and second, meters (wavelength or length of the wave). As the length in meters of the total cycles per second must equal the speed of the radio wave per second (300,000,000) the values naturally are reversible. The frequency method (cycles, kilocycles, channels, megacycles) is almost entirely in vogue in North America, even in short wave, but the Old World uses both measurements. Throughout Radio

UNITED STATES GOVERNMENT KILOCYCLE METER CONVERSION TABLE

1,000 Cycles Equal 1 Kilocycle  
10,000 Cycles Equal 1 Channel  
1,000,000 Cycles Equal 1 Megacycle

Log and Lore kilocycles are favored, in fact, the meter value is generally omitted. No value table between kilocycles, channels or megacycles is printed. This is accomplished obviously by a shifting of the decimal

point. To illustrate with the frequency of 1,000 kilocycles in the long wave span: This wave actually has a frequency of 1,000,000 cycles per second which equals 1,000 kilocycles and is commonly designated as channel 100, or the 100 channel band. In turn, it would be 1.0 megacycles for short wave usage, since there are 1,000 kilocycles in a megacycle. In these pages the comma is used in kilocycle listings (as 1,000) and by using the comma as a period the megacycle is obtained (1.0).

## *“My Favorite”*

## =PROGRAMS=

## *Sunday*

Monday

Tuesday

## *Wednesday*

*Thursday*

Friday

## Saturday

# ULTRA SHORT; ULTRA LONG

## THE SHORT WAVES

This Line Illustrates a 6-Meter (50,000-Kilocycle) Wave Traveling 100 Cycles of 6 Meters Each or 600 Meters

This Line Illustrates a 60-Meter (5,000-Kilocycle) Wave Traveling 10 Cycles of 60 Meters Each or 600 Meters

This Line Illustrates a 100-Meter (3,000-Kilocycle) Wave Traveling 6 Cycles of 100 Meters Each or 600 Meters

## THE LONG WAVES

This Line Illustrates a 200-Meter (1,500-Kilocycle) Wave Traveling 3 Cycles of 200 Meters Each or 600 Meters

This Line Illustrates a 300-Meter (1,000-Kilocycle) Wave Traveling 2 Cycles of 300 Meters Each or 600 Meters

This Line Illustrates one 600-Meter (500-Kilocycle) Wave for Purposes of Comparison

These lines are correct reproductions of the relative length of radio waves—from the ultra short (50,000 kilocycles) to the ultra long (500 kilocycles) just outside the broadcast band.

In North America, long wave broadcasting begins at 550 and ends at 1500 kilocycles; but in Europe, stations are assigned as high as 155 kilocycles. Short wave is generally known as the frequencies below 3000 kilocycles.

*Why [WAVE LENGTHS (METERS) DECREASE] As FREQUENCIES (CYCLES) INCREASE*  
Meters Multiplied By Cycles Must Equal Distance the Wave Travels Per Second

As a kilocycle is equivalent to one thousand cycles, it will readily be seen that the ultra short wave illustrated at the top of this page, known as the 50,000 kilocycle wave, is in reality a 50,000,000 cycle wave, meaning that 50,000,000 is the number of cycles it makes in one second. As radio waves are known to travel 300,000,000 meters per second, it follows that a wave making 50,000,000 cycles per second must travel in cycles or waves of 6 meters each in order to travel at its given speed of 300,000,000 meters per second. This particular ultra-short wave is known either as a 50,000,000 cycle (or 50,000 kilocycles) wave, from the number of waves it makes a second, or as a 6-meter wave, the length of each wave so covered. Thus it is in each of the waves illustrated above. The number of cycles described by the wave multiplied by meters (the length of each wave) must equal the 300,000,000 meters each wave must travel in one second, bearing in mind that one kilocycle is the equivalent of 1,000 cycles. Thus do wavelengths (meters) and frequencies (kilocycles) increase and decrease conversely, not unlike the tall and the short man walking side by side. The latter takes more steps (kilocycles) but shorter ones (meters) than the tall man who takes fewer but longer steps and reaches his destination at the same time.

This illustration is presented, however, not to emphasize the theory of meter and kilocycle designation, but to illustrate the great difference between even the short waves themselves—the 100-meter wave and the ultra short 6-meter wave, which descends into an almost straight line of tiny pulsations.

So called short waves are below 100 meters and long waves, utilized for program broadcasting, above. Practically all broadcasting assignments are between the 500 kilocycle (600 meter) wave at the bottom and the 1500 kilocycle (200 meter) wave above, while practically all short wave broadcasting and commercial communications are carried on between the 6 and 100 meter bands.

It is interesting to note that the six waves, from the ultra-short to the ultra-long, actually travel the 600 meters as pictured above in a five hundred thousandth part of a second.